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OFFICIAL REPORT

Commercial Fertilizers Commercial Feeds and Agricultural Liming Materials

STATE INSPECTION SERVICE

UNIVERSITY OF MARYLAND

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INTRODUCTION

In this publication are presented the results of analyses made by the Inspection and Regulatory Service for the period January 1—July 1, 1940. Included in the scope of this work are feeds, fertilizers, limes, vitamin D supplements, insecticides, fungicides, and legume cultures. A branch of the Service provides the farmer with gratuitous analyses of certain of these products upon submission of suitable samples.

To establish and sustain any guarantee of purity and uniformity in agricultural materials either chemical, physical, biological, or microscopic examination or a combination of these methods is of prime necessity. Furthermore, if it is to merit the confidence of consumer and manufacturer alike, any such control service must have built a reputation for unbiased and accurate investigation.

With these conditions as a guide, regulatory laws governing the sale of agricultural materials in the State of Maryland have developed gradually over many years as a greater need has been recognized for honest products and fair trade practices.

These regulations and enforcements serve a two-fold purpose: first, to the consumer in assuring him of prescribed values, labeled so that he may be able to judge the relative merit of different products; and second, to the reputable manufacturer and dealer in eliminating unscrupulous practices and unfair competition.

Far from being punitive or restraining, these law enforcement activities are conducted with full cooperation between manufacturers and The Inspection Service. Every effort is made for amicable adjustment of difficulties arising from misunderstanding or error. When such efforts fail suitable penalties for fraudulent practices are imposed through court action.

SAMPLES ANALYZED

During the first six months of this year official representatives collected from dealers' warehouses, on trucks, or in transit, 684 samples of commercial fertilizers, which were subjected to chemical examination.

This bulletin also contains the results of the 1940 green house test with commercial legume cultures. This work was performed by the Department of Bacteriology, for which the Inspection Service is most grateful.

There is also included in this publication the results of chemical and microscopical examinations upon 1366 samples of feed.

Ninety-one samples of agricultural liming materials secured during the Spring season were examined and reported to manufacturers and, when possible, to consumers.

In addition to analysis of official samples included in this publication, 359 samples drawn and forwarded to this Department by purchasers have been examined and the results obtained transmitted to the parties particularly interested.

FERTILIZER ANALYSES

The pages immediately following contain results obtained in the examination of fertilizer taken by State Inspectors from January 1 to July 1, 1940.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Acme Guano Co., Baltimore, Md.													
Acme 6–6–5	Vienna	6.00	**6.00**	4.80	**4.72**	1.20	**1.28**	**.70**	6.00	**6.70**	5.00	**5.14**	369 A
†Acme 6–6–5	Hurlock	6.00	**6.03**	4.80	**4.84**	1.20	**1.19**	**.60**	6.00	**6.50**	5.00	**5.01**	3 B
†Acme 5–10–5	Hurlock	5.00	**4.98**	4.00	**3.89**	1.00	**1.09**	**1.40**	10.00	**10.00**	5.00	**5.44**	363 A
Acme 5–8–12	Vienna	5.00	**4.98**	4.00	**3.90**	1.00	**1.08**	**.70**	8.00	**8.10**	12.00	**13.50**	253 A
†Acme 5–8–12	Hurlock	5.00	**5.04**	4.00	**4.16**	1.00	**.88**	**.70**	8.00	**8.20**	12.00	**12.40**	295 A
†Acme 5–8–7	Vienna	5.00	**4.98**	4.00	**3.97**	1.00	**1.01**	**.50**	8.00	**8.60**	7.00	**6.80**	207 A
Acme 4–8–7	Reisterstown	4.00	**3.90**	3.20	**2.99**	.80	**.91**	**.80**	8.00	**8.50**	**7.00**	**6.91**	127 A
Acme 4–8–7	Vienna	4.00	**4.18**	3.20	**3.13**	.80	**1.05**	**.90**	8.00	**8.60**	7.00	**7.22**	239 A
†Acme 4–8–7	Hurlock	4.00	**4.00**	3.20	**3.09**	.80	**.91**	**.80**	8.00	**8.20**	7.00	**7.22**	231 A
†Acme 3–8–10	Hurlock	3.00	**3.09**	2.40	**2.44**	.60	**.65**	**.70**	8.00	**7.60**	10.00	**10.70**	155 A
Acme 2–9–5	Bel Air	2.00	**1.91**	1.20	**.91**	.80	**1.00**	**.70**	9.00	**9.80**	**5.00**	**8.00**	77 B
Acme 2–9–5	Reisterstown	2.00	**2.06**	1.20	**1.26**	.80	**.80**	**.90**	9.00	**9.50**	5.00	**5.28**	66 B
†Acme 2–8–10	Hurlock	2.00	**1.98**	1.20	**1.46**	.80	**.52**	**.50**	8.00	**8.80**	**10.00**	**10.74**	20 B
†Acme 0–10–10	Hurlock	.....	.....	.....	.....	.....	.....	**.60**	10.00	**10.60**	10.00	**10.30**	.....
†Acme Superphosphate 0–16–0	Hurlock	.....	.....	.....	.....	.....	.....	**1.00**	16.00	**19.60**	.....	.....	.....
Agricultural Laboratories, Inc., Columbus, Ohio													
†Stimuplant 11–T.P.A. 12–15	Cambridge	11.00	**11.80**	11.00	**11.80**	.....	.....	.....	*12.00	***12.10**	15.00	**20.08**	
The American Agricultural Chemical Co., Baltimore, Md.													
AA Slingluff's 10% Top Dresser Sulphate 10–5–2	Waldorf	10.00	**10.05**	9.00	**8.97**	1.00	**1.08**	**.50**	5.00	**5.40**	2.00	**2.33**	738 A
AA Slingluff's 10% Top Dresser Sulphate 10–5–2	Baltimore	10.00	**10.11**	9.00	**9.41**	1.00	**.70**	**.30**	5.00	**5.50**	2.00	**2.18**	775 A
Agrico County Club Fertilizer 8–6–4	Towson	8.00	**7.73**	7.20	**6.28**	.80	**1.45**	**.70**	6.00	**7.20**	4.00	**4.19**	401 A
AA Tobacco Plant Bed Fertilizer Sulphate 8–5–2	Baltimore	8.00	**8.09**	7.20	**7.28**	.80	**.81**	**.40**	5.00	**5.70**	2.00	**2.44**	615 A
Agrico For Top Dressing 7–7–7	Baltimore	7.00	**7.03**	6.30	**6.23**	.70	**.80**	**.30**	7.00	**7.60**	7.00	**7.38**	513 A
AA Tobacco Bed Fertilizer Sulphate 6-6-8	Baltimore	6.00	**6.36**	5.40	**5.54**	.60	**.82**	**.40**	6.00	**6.90**	8.00	**8.08**	403 A
Agrico For Potatoes–Tidewater 6–6–5	Pocomoke City	6.00	**5.81**	3.60	**3.64**	2.40	**2.17**	**.60**	6.00	**6.50**	5.00	**5.35**	69 A

Detrick's Gold Basis Fertilizer 6–6–5	Baltimore	6.00	**5.97**	4.50	**4.65**	1.50	**1.32**	**.60**	6.00	**6.50**	5.00	**5.30**	3 B

AA Tobacco Bed Fertilizer Sulphate 6-6-8	Pocomoke City	6.00	5.81	3.60	3.64	2.40	2.17	.60					
Agrico For Potatoes–Tidewater 6–6–5													

Detrick's Gold Basis Fertilizer 6–6–5	Baltimore	6.00	**5.97**	4.50	**4.65**	1.50	**1.32**	.60	6.00	**6.00**	5.00	**5.40**	235 A
Detrick's Gold Basis Fertilizer 6–6–5	Baltimore	6.00	**5.97**	4.50	**4.59**	1.50	**1.38**	**1.00**	6.00	**6.00**	5.00	**5.20**	286 A
Agrico For Truck 5–10–5	Baltimore	5.00	**5.00**	4.00	**3.90**	1.00	**1.10**	**1.10**	10.00	**10.00**	5.00	**5.28**	215 A
Agrico For Truck 5–10–5	Baltimore	5.00	**4.89**	4.00	**4.00**	1.00	.89	**1.00**	10.00	**10.00**	5.00	**5.04**	162 A
Agrico For Tobacco-Sulphate 5–8–12	Baltimore	5.00	**4.98**	4.00	**3.90**	1.00	**1.08**	.60	8.00	**8.20**	12.00	**12.60**	60 A
Agrico For Tobacco-Sulphate 5–8–12	Baltimore	5.00	**4.97**	4.00	**4.03**	1.00	.94	.40	8.00	**8.10**	12.00	**12.58**	123 A
Agrico For Plant Beds-Sulphate 5–8–3	Baltimore	5.00	**4.98**	4.50	**4.37**	.50	.61	.50	8.00	**8.40**	3.00	**3.26**	147 A
Agrico For Tobacco-Sulphate 4–8–12	Annapolis	4.00	**3.79**	3.20	**2.93**	.80	.86	.70	8.00	**8.40**	12.00	**11.98**	160 A
Agrico For Tobacco-Sulphate 4–8–12	Baltimore	4.00	**4.00**	3.20	**3.10**	.80	.90	.80	8.00	**8.50**	12.00	**12.40**	71 A
AA Prince George Tobacco Fertilizer-Sulphate 4–8–12	Sunderland	4.00	**3.73**	3.20	**2.95**	.80	.78	.50	8.00	**8.60**	12.00	**12.50**	152 A
AA Prince George Tobacco Fertilizer-Sulphate 4–8–12	Baltimore	4.00	**3.90**	3.20	**3.05**	.80	.85	.50	8.00	**8.80**	12.00	**12.26**	598 A
AA Prince George Tobacco Fertilizer-Sulphate 4–8–12	Baltimore	4.00	**4.04**	3.20	**3.03**	.80	**1.01**	.60	8.00	**8.70**	12.00	**12.26**	166 A
AA Red Leaf Tobacco Fertilizer-Sulphate 4–8–10	Baltimore	4.00	**4.03**	3.20	**3.20**	.80	.83	.60	8.00	**8.40**	10.00	**10.50**	264 B
AA Red Leaf Tobacco Fertilizer-Sulphate 4–8–10	Baltimore	4.00	**3.97**	3.20	**3.07**	.80	.90	.60	8.00	**8.00**	10.00	**10.64**	164 A
Agrico For Potatoes 4–8–8	Baltimore	4.00	**4.00**	3.20	**3.20**	.80	.80	.70	8.00	**8.10**	8.00	**8.08**	98 A
Agrico For Potatoes 4–8–8	Baltimore	4.00	**4.03**	3.20	**3.20**	.80	.83	.80	8.00	**8.00**	8.00	**8.24**	112 A
AA Gladiator Fertilizer 4–8–8	Baltimore	4.00	**4.02**	3.20	**3.20**	.80	.82	.40	8.00	**8.40**	**8.00**	**8.00**	90 A
AA Gladiator Fertilizer 4–8–8	Baltimore	4.00	**3.97**	3.20	**3.30**	.80	.67	.60	8.00	**8.70**	8.00	**8.60**	194 A
AA Golden Leaf Tobacco Fertilizer-Sulphate 4–8–7	Baltimore	4.00	**4.00**	3.20	**3.12**	.80	.88	.60	8.00	**8.30**	7.00	**7.70**	105 B
AA Climax Fertilizer 3–12–6	Baltimore	3.00	**2.85**	2.25	**2.18**	.75	.67	.50	12.00	**12.50**	6.00	**6.21**	101 A
Agrico For Corn 3–12–6	Baltimore	3.00	**3.00**	2.25	**2.33**	.75	.67	.50	12.00	**12.30**	6.00	**6.44**	76 A
Agrico For Tomatoes 3–12–6	Baltimore	3.00	**3.02**	2.25	**2.36**	.75	.66	.90	12.00	**12.40**	6.00	**6.17**	48 A
AA Royal Sweet Potato Fertilizer 3–8–15	Baltimore	3.00	**3.00**	2.25	**2.27**	.75	.73	.80	8.00	**8.90**	15.00	**12.88**	135 B
Agrico For Tobacco-Sulphate 3–8–15	Baltimore	3.00	**3.02**	2.25	**2.43**	.75	.59	.50	8.00	**8.30**	15.00	**14.70**	53 B
Agrico For Tobacco-Sulphate 3–8–15	Sunderland	3.00	**3.00**	2.25	**2.41**	.75	.59	.70	8.00	**8.00**	15.00	**15.50**	128 B
Agrico For Grain 2–12–6	Baltimore	2.00	**1.97**	1.50	**1.53**	.50	.44	.50	12.00	**12.70**	6.00	**5.98**	41 B
AA Horse Shoe Fertilizer 2–12–6	Baltimore	2.00	**2.06**	1.50	**1.53**	.50	.53	.50	12.00	**12.60**	6.00	**6.13**	93 A
AA Farmers Friend Fertilizer 2–12–4	Baltimore	2.00	**1.98**	1.50	**1.46**	.50	.52	.60	12.00	**12.00**	4.00	**4.23**	3 A
AA Red Dog Fertilizer 2–9–5	Baltimore	2.00	**2.01**	1.50	**1.49**	.50	.52	.90	9.00	**9.10**	5.00	**5.40**	42 A
AA Red Dog Fertilizer 2–9–5	Baltimore	2.00	**1.97**	1.50	**1.52**	.50	.45	.90	9.00	**9.80**	5.00	**5.40**	60 A
AA Silk Leaf Tobacco Fertilizer-Sulphate 2–8–10	Annapolis	2.00	**2.12**	1.50	**1.54**	.50	.58	.30	8.00	**8.50**	10.00	**10.02**	120 A
AA Silk Leaf Tobacco Fertilizer-Sulphate 2–8–10	Baltimore	2.00	**1.97**	1.50	**1.63**	.50	.34	.40	8.00	**8.40**	10.00	**10.08**	124 B
AA Old Hickory Fertilizer 2–8–10	Baltimore	2.00	**2.01**	1.50	**1.53**	.50	.48	.50	8.00	**8.90**	10.00	**10.30**	69 B
Pure Raw Bone 3.70–T.P.A. 20–0	Baltimore	3.70	**3.78**						*20.00	*21.60			

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The American Agricultural Chemical Co., Baltimore, Md.—(Continued.)													
Fine Ground Bone 2.47–T.P.A. 23–0	Baltimore	2.47	**2.77**						*23.00	*23.60			
Pulverized Sheep & Goat Manure 1.25–T.P.A. 1–2	Baltimore	1.25	**1.07**						*1.00	*1.70	2.00	**2.34**	
AA Chieftain Mixture 0–14–6	Baltimore							.60	14.00	14.20	6.00	**6.40**	
AA Superphosphate 0–20–0	Baltimore							.90	20.00	20.80			
AA Superphosphate 0–20–0	Baltimore							1.00	20.00	20.90			
AA Superphosphate 0–16–0	Baltimore							.50	16.00	17.10			
AA Basic Lime Phosphate 0–16–0	Baltimore							.90	16.00	16.30			
Muriate of Potash 0–0–50	Baltimore										50.00	52.80	
American Cyanamid Co., New York, N. Y.													
"Aero" Cyanamid Granular 21–0–0	Baltimore	21.00	**21.02**										
The American Liquid Fertilizer Co., Inc., Marietta, Ohio													
Liqua-Vita 6–9–7	Baltimore	6.00	**6.82**	3.41	**4.32**	2.59	**2.50**		*9.00	*11.40	7.00	**7.95**	
Armour Fertilizer Works, Baltimore, Md.													
Armour's Special Tree Food 10–8–6	Easton	10.00	**9.60**	9.50	**8.40**	.50	**1.20**	.30	8.00	**9.00**	6.00	**6.01**	817 A
†Armour's Special Tree Food 10–8–6	Easton	10.00	**9.24**	9.50	**8.73**	.50	**.51**	.60	8.00	**8.10**	6.00	**6.05**	672 A
Armour's Special Top Dresser 10–5–2	Baltimore	10.00	**10.03**	9.00	**8.53**	1.00	**1.50**	.40	5.00	**5.40**	2.00	**2.28**	404 A
Armour's Special Top Dresser 10–5–2	Baltimore	10.00	**10.09**	9.00	**8.47**	1.00	**1.62**	.30	5.00	**5.50**	2.00	**2.52**	314 A
Armour's Special Top Dresser 8–5–2	Baltimore	8.00	**8.35**	7.20	**7.02**	.80	**1.33**	.50	5.00	**5.40**	2.00	**2.28**	377 A
Armour's Big Crop Fertilizer 6–8–6	Waldorf	6.00	**5.98**	3.60	**3.55**	2.40	**2.43**	.70	8.00	**8.30**	6.00	**6.20**	208 A
Armour's Big Crop Fertilizer 6–8–6	Baltimore	6.00	**5.97**	3.60	**3.86**	2.40	**2.11**	.50	8.00	**8.30**	6.00	**6.21**	102 A
Armour's Big Crop Fertilizer 6–8–6	Baltimore	6.00	**5.97**	3.60	**3.89**	2.40	**2.08**	.50	8.00	**8.60**	6.00	**6.15**	142 A
Armour's Big Crop Fertilizer 6–8–6	Baltimore	6.00	**5.81**	3.60	**3.66**	2.40	**2.15**	.70	8.00	**8.50**	6.00	**6.50**	132 A
Armour's Big Crop Fertilizer 6–8–6	Baltimore	6.00	**5.98**	4.80	**4.24**	1.20	**1.74**	.40	6.00	**6.60**	8.00	**8.24**	159 A
Armour's Plant Bed Fertilizer 6–6–8	Baltimore	6.00	**5.92**	4.80	**5.27**	1.20	**.65**	.30	6.00	**6.50**	8.00	**8.24**	185 A
Armour's Plant Bed Fertilizer 6–6–8	Baltimore	6.00	**5.97**	3.60	**3.97**	2.40	**2.00**	.30	6.00	**6.50**	5.00	**5.24**	197 A
Armour's Big Crop Fertilizer 6–6–5	Easton	6.00	**6.00**	3.60	**3.80**	2.40	**2.20**	.40	6.00	**6.80**	5.00	**5.34**	100 A
Armour's Big Crop Fertilizer 6–6–5	Baltimore	6.00	**6.00**	3.60	**3.69**	2.40	**2.31**	.60	6.00	**6.50**	5.00	**5.42**	146 A
Armour's Big Crop Fertilizer 5–8–12	Baltimore	5.00	**4.98**	3.75	**3.67**	1.25	**1.31**	.60	8.00	**8.50**	12.00	**12.24**	146 A

Armour's Big Crop Fertilizer 6–6–5	Easton												
Armour's Big Crop Fertilizer 6–6–5	Baltimore	6.00	**6.00**	3.60	**3.80**	2.40	**2.20**	.40					
Armour's Big Crop Fertilizer 6–6–5	Baltimore	6.00	**6.00**	3.60	**3.69**	2.40	**2.31**	.60	6.00	**6.50**	5.00	**5.42**	146 A
Armour's Big Crop Fertilizer 5–8–12	Baltimore	5.00	**4.98**	3.75	**3.67**	1.25	**1.31**	.40	8.00	**8.40**	12.00	**12.22**	114 A
Armour's Big Crop Fertilizer 5–8–12	Baltimore	5.00	**5.05**	3.75	**3.56**	1.25	**1.49**	.40	8.00	**8.50**	12.00	**12.16**	176 A
Armour's Big Crop Fertilizer 5–8–12	Baltimore	5.00	**4.97**	3.75	**3.67**	1.25	**1.30**	.20	8.00	**8.50**	12.00	**12.80**	168 A
Armour's Special Tobacco Grower 4–8–12	Clinton	4.00	**4.07**	2.40	**2.37**	1.60	**1.70**	.30	8.00	**8.70**	12.00	**12.60**	11 B
Armour's Special Tobacco Grower 4–8–12	Baltimore	4.00	**4.02**	2.40	**2.61**	1.60	**1.41**	.30	8.00	**8.70**	12.00	**12.54**	192 B
Armour's Special Tobacco Grower 4–8–10	Waldorf	4.00	**3.97**	2.40	**2.40**	1.60	**1.57**	.30	8.00	**8.40**	10.00	**10.08**	54 B
Armour's Big Crop Fertilizer 4–8–10	Baltimore	4.00	**3.89**	2.80	**2.81**	1.20	**1.08**	.50	8.00	**8.50**	10.00	**11.96**	78 A
Armour's Big Crop Fertilizer 4–8–10	Baltimore	4.00	**3.88**	2.80	**2.94**	1.20	**.94**	.30	8.00	**8.40**	10.00	**12.10**	53 A
†Armour's Big Crop Fertilizer 4–8–10	Baltimore	4.00	**4.00**	2.80	**3.10**	1.20	**.90**	.30	8.00	**8.50**	10.00	**10.42**	27 A
Armour's Big Crop Fertilizer 4–8–10	Baltimore	4.00	**4.00**	2.80	**2.99**	1.20	**1.01**	.30	8.00	**8.40**	10.00	**10.40**	67 A
Armour's Big Crop Fertilizer 4–8–10	Pocomoke City	4.00	**4.03**	2.80	**2.98**	1.20	**1.05**	.30	8.00	**8.40**	10.00	**10.80**	117 A
Armour's Big Crop Fertilizer 4–8–8	Baltimore	4.00	**4.07**	2.80	**2.91**	1.20	**1.16**	.60	8.00	**8.50**	8.00	**8.24**	147 A
Armour's Big Crop Fertilizer 4–8–8	Laurel	4.00	**4.04**	2.80	**3.11**	1.20	**.93**	.40	8.00	**8.70**	8.00	**8.50**	70 A
Armour's Special Tobacco Grower 4–8–7	Waldorf	4.00	**3.93**	2.40	**2.20**	1.60	**1.73**	.30	8.00	**8.90**	7.00	**7.37**	26 B
Armour's Special Tobacco Grower 4–8–5	Waldorf	4.00	**3.97**	2.40	**2.33**	1.60	**1.64**	.30	8.00	**8.60**	5.00	**7.29**	24 B
†Armour's Big Crop Fertilizer 4–8–5	Clinton	4.00	**3.71**	2.80	**2.16**	1.20	**1.55**	.60	8.00	**9.20**	5.00	**5.01**	44 A
Armour's Super Fish Mixture 3–12–6	Baltimore	3.00	**3.13**	1.80	**1.98**	1.20	**1.15**	.40	12.00	**12.70**	6.00	**6.30**	98 A
Armour's Big Crop Fertilizer 3–12–6	Baltimore	3.00	**3.00**	2.10	**2.17**	.90	**.83**	.70	12.00	**12.40**	6.00	**6.40**	12 A
Armour's Big Crop Fertilizer 3–8–15	Baltimore	3.00	**2.99**	2.10	**1.90**	.90	**1.09**	.50	8.00	**8.30**	15.00	**17.20**	16 A
Armour's Big Crop Fertilizer 2–9–5	Baltimore	2.00	**2.02**	1.40	**1.33**	.60	**.69**	.50	9.00	**9.30**	5.00	**5.74**	19 B
Armour's Big Crop Fertilizer 2–8–10	Baltimore	2.00	**1.99**	1.40	**1.37**	.60	**.62**	.30	8.00	**8.30**	10.00	**11.18**	40 B
Armour's Raw Bone Meal 3.70 T.P.A. 20.50–0	Laurel	3.70	**3.97**						*20.50	***22.90**			
Armour's Big Crop Superphosphate 0-20-0	Baltimore							.70	20.00	**20.40**			
Associated Chemical Co., Hagerstown, Md.													
†Sheep or Goat Manure 1.25–T.P.A. 1–2	Mt. Lake Park	1.25	**1.45**						*1.00	***3.20**	2.00	**3.58**	
Associated Farmers & Merchants, Inc., Baltimore, Md.													
Lawn & Garden Fertilizer 6–6–5	Baltimore	6.00	**5.97**	3.60	**4.09**	2.40	**1.88**	1.00	6.00	**6.60**	5.00	**5.37**	76 A
†Lawn & Garden Fertilizer 6–6–5	Baltimore	6.00	**5.53**	3.60	**3.55**	2.40	**1.98**	.80	6.00	**7.50**	5.00	**5.38**	25 A
Baltimore Fertilizer Co., Baltimore, Md.													
Honest Tobacco Bed Guano 8–5–2	La Plata	8.00	**8.29**	7.25	**7.53**	.75	**.76**	.60	5.00	**5.40**	2.00	**2.40**	658 A
Honest Tobacco Bed Guano 8–5–2	Baltimore	8.00	**8.15**	7.25	**7.28**	.75	**.87**	.60	5.00	**5.50**	2.00	**2.40**	713 A
Honest 4–8–12 Sulphate	La Plata	4.00	**3.96**	3.40	**3.03**	.60	**.93**	.60	8.00	**9.00**	12.00	**11.48**	143 A
Honest 4–8–10 Sulphate	La Plata	4.00	**4.07**	3.40	**3.44**	.60	**.63**	.30	8.00	**8.80**	10.00	**10.76**	259 A
Honest 4–8–8	Bel Air	4.00	**3.62**	3.40	**3.12**	.60	**.50**	.60	8.00	**8.70**	8.00	**9.84**	111 A
Honest 4–8–8	Glyndon	4.00	**3.90**	3.40	**1.58**	.60	**2.32**	.30	8.00	**8.60**	8.00	**8.36**	267 B
Honest 4–8–7 Sulphate	La Plata	4.00	**4.14**	3.40	**3.31**	.60	**.83**	.50	8.00	**9.10**	7.00	**7.50**	77 A
Honest 4–8–5	La Plata	4.00	**4.09**	3.40	**3.12**	.60	**.97**	.60	8.00	**8.50**	5.00	**5.38**	248 A

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Baltimore Fertilizer Co., Baltimore, Md.(Ct.)													
Honest 4–8–5	Baltimore	4.00	**4.21**	3.40	**3.29**	.60	**.92**	**.60**	8.00	**8.40**	5.00	**5.24**	252 A
Honest 2–12–6	Bel Air	2.00	**1.99**	1.40	**1.08**	.60	**.91**	**.50**	12.00	**13.70**	6.00	**6.36**	40 B
Honest 2–12–6	Glyndon	2.00	**2.02**	1.40	**1.61**	.60	**.41**	**.40**	12.00	**11.90**	6.00	**7.45**	10 B
Honest 2–12–4	Bel Air	2.00	**2.15**	1.40	**1.77**	.60	**.38**	**.80**	12.00	**12.30**	4.00	**5.35**	5 B
Honest 2–9–5	Bel Air	2.00	**2.05**	1.40	**1.39**	.60	**.66**	**.50**	9.00	**11.10**	5.00	**5.90**	178 B
Honest 2–9–5	Glyndon	2.00	**1.90**	1.40	**1.52**	.60	**.38**	**.40**	9.00	**9.20**	5.00	**5.68**	276 B
Honest 2–8–10	Bel Air	2.00	**2.26**	1.40	**1.78**	.60	**.48**	**.30**	8.00	**9.30**	10.00	**11.00**	105 B
†Honest 0–12–5	Bel Air	.....	.....	.....	.....	.....	.....	**.50**	12.00	**13.80**	5.00	**6.13**	.....
Honest Superphosphate 0–16–0	La Plata	.....	.....	.....	.....	.....	.....	**.90**	16.00	**17.10**	.....	.....	.....
The Barrett Co., New York, N. Y.													
Arcadian The American Nitrate of Soda 16–0–0	Baltimore	16.00	**16.12**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Arcadian The American Nitrate of Soda 16–0–0	Baltimore	16.00	**16.10**	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
W. J. Barton & Son, Centreville, Md.													
MBW 6–6–5	Centreville	6.00	**5.97**	5.10	**5.34**	.90	**.63**	**.50**	6.00	**6.60**	5.00	**4.98**	442 A
MBW 4–8–8	Centreville	4.00	**4.03**	3.00	**3.40**	1.00	**.63**	**.60**	8.00	**8.90**	8.00	**8.08**	246 A
MBW New Jersey Tomato Grower 3–8–10	Centreville	3.00	**3.03**	2.25	**1.93**	.75	**1.10**	**.80**	8.00	**9.00**	10.00	**9.86**	24 B
MBW 2–12–6	Centreville	2.00	**2.09**	1.50	**1.47**	.50	**.62**	**1.10**	12.00	**12.10**	6.00	**6.50**	39 B
MBW 2–8–10	Centreville	2.00	**1.98**	1.20	**.98**	.80	1.00	**.40**	8.00	**8.90**	10.00	**10.50**	67 A
MBW 0–10–10	Centreville	.....	.....	.....	.....	.....	.....	**.70**	10.00	**10.00**	10.00	**11.18**	.....
The Baugh & Sons Co., Baltimore, Md.													
Baugh's Plant Bed Fertilizer 10–5–2	Clements	10.00	**10.20**	9.00	**9.02**	1.00	**1.18**	**.80**	5.00	**5.40**	2.00	**2.25**	782 A
Baugh's Plant Bed Fertilizer 10–5–2	Baltimore	10.00	**10.13**	9.00	**9.24**	1.00	**.89**	**.80**	5.00	**5.50**	2.00	**2.42**	840 A
Baugh's Plant Bed Fertilizer 8–5–2	Baltimore	8.00	**8.18**	7.00	**7.11**	1.00	**1.07**	**.60**	5.00	**5.60**	2.00	**2.40**	44 A
Baugh's 6–8–6	Baltimore	6.00	**5.97**	3.60	**3.45**	2.40	**2.52**	**1.00**	8.00	**8.50**	6.00	**6.50**	6 A
Baugh's 6–8–6	Baltimore	6.00	**5.84**	3.60	**3.79**	2.40	**2.05**	**1.00**	8.00	**8.60**	6.00	**6.50**	31 A
Baugh's Plant Bed Fertilizer 6–6–8	Baltimore	6.00	**6.09**	5.10	**5.22**	.90	**.87**	**.70**	6.00	**6.80**	8.00	**8.24**	412 A
Baugh's Original Potato Guano 6–6–5	Baltimore	6.00	**5.98**	3.60	**3.86**	2.40	**2.12**	**.90**	6.00	**6.60**	5.00	**5.90**	53 A
Baugh's Original Potato Guano 6–6–5	Baltimore	6.00	**6.28**	3.60	**3.47**	2.40	**2.81**	**1.20**	6.00	**6.30**	5.00	**5.60**	53 A
Baugh's Truckers Favorite 5–10–5													

Baugh's Plant Bed Fertilizer 6–6–8	Baltimore	6.00	5.98	3.60	3.86	2.40	2.12	.90	6.00	6.60	5.00	5.10	83 A
Baugh's Original Potato Guano 6–6–5	Baltimore	6.00	6.28	3.60	3.47	2.40	2.81	1.20	6.00	6.20	5.00	5.45	83 A
Baugh's Truckers Favorite 5–10–5	Baltimore	5.00	5.00	4.00	4.17	1.00	.83	.80	10.00	10.60	5.00	5.35	337 A
Baughgro 4–12–4	Hagerstown	4.00	3.97	3.20	3.20	.80	.77	2.50	12.00	13.00	4.00	4.28	217 A
Baughgro 4–12–4	Hagerstown	4.00	4.04	3.20	3.23	.80	.81	2.70	12.00	12.60	4.00	4.26	95 A
Baugh's Colonial Fertilizer For Tobacco 4–8–12	Baltimore	4.00	3.88	3.20	3.35	.80	.53	1.30	8.00	8.10	12.00	12.10	1 A
Baugh's 4–8–10 For Tobacco	Hughesville	4.00	4.10	3.20	3.14	.80	.96	.50	8.00	9.50	10.00	10.08	235 A
Baugh's Balanced Plant Food 4–12–4	Baltimore	4.00	4.07	3.10	3.14	.90	.93	1.60	12.00	12.50	4.00	4.26	165 A
Baugh's 4–8–10 For Tobacco	Baltimore	4.00	4.02	3.20	3.37	.80	.65	.80	8.00	8.80	10.00	10.52	28 B
Baugh's Approved Truck Grower 4–8–8	Baltimore	4.00	4.03	3.10	3.14	.90	.89	.60	8.00	8.60	8.00	8.50	126 A
Baugh's Approved Truck Grower 4–8–8	Linwood	4.00	4.00	3.10	3.23	.90	.77	.90	8.00	8.70	8.00	8.24	67 B
Baugh's Approved Truck Grower 4–8–8	Baltimore	4.00	4.03	3.10	3.23	.90	.80	.90	8.00	8.50	8.00	8.50	66 B
Baugh's 4–8–7 For Tobacco	Baltimore	4.00	4.00	3.10	3.09	.90	.91	.90	8.00	8.00	8.00	8.24	97 B
†Baugh's Half Century Perfection Brand 4–8–7	Baltimore	4.00	3.88	3.20	3.18	.80	.70	.70	8.00	8.80	7.00	7.40	56 B
Baugh's Peruvian Guano Substitute 4–8–5	Maugansville	4.00	4.02	3.10	3.10	.90	.92	.70	8.00	8.70	7.00	7.36	41 B
Baugh's Peruvian Guano Substitute 4–8–5	Baltimore	4.00	4.06	3.10	3.23	.90	.83	.70	8.00	8.50	5.00	5.24	130 A
Baugh's Premium Plant Food & Soil Builder 3–12–6	Baltimore	4.00	3.97	3.10	3.34	.90	.63	.90	8.00	8.90	5.00	5.35	162 A
Baugh's Three Quarter Century Perfection Brand 3–12–6	Lineboro	3.00	3.16	1.50	2.00	1.50	1.16	2.30	12.00	12.90	6.00	6.25	12 A
Baugh's Tomato Compound, with Fish 3–8–10	Baltimore	3.00	3.07	2.10	2.32	.90	.75	1.30	12.00	12.60	6.00	6.24	28 B
Baugh's Double Eagle Phosphate 2–12–6	Baltimore	3.00	3.05	1.90	1.98	1.10	1.07	.80	8.00	8.60	10.00	10.80	13 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	2.01	1.30	1.36	.70	.65	1.50	12.00	12.60	6.00	6.33	11 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Linwood	2.00	2.08	1.40	1.57	.60	.51	1.30	9.00	9.80	5.00	5.12	64 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.98	1.40	1.49	.60	.49	1.20	9.00	9.70	5.00	5.16	30 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.97	1.40	1.61	.60	.36	1.30	9.00	9.40	5.00	5.28	38 B
Baugh's Complete Animal Base Fertilizer 2–9–5	Baltimore	2.00	1.98	1.40	1.56	.60	.42	1.20	9.00	9.40	5.00	5.28	10 B
Baugh's 2–8–10 with Fish	Baltimore	2.00	2.02	1.40	1.67	.60	.35	.90	9.00	9.70	5.00	5.40	3 A
Baugh's 2–8–10 with Fish	Denton	2.00	1.98	1.20	1.36	.80	.62	.60	8.00	8.60	10.00	10.86	67 B
Sulphate of Ammonia 20.57–0–0	Baltimore	2.00	2.13	1.20	1.59	.80	.54	.60	8.00	8.70	10.00	10.32	52 B
Baugh's Raw Bone Meal, Warranted Pure 3.70–T.P.A. 20.50–0	Baltimore	20.57	20.60										
Baugh's Pure Steamed Bone Meal 2.47–T.P.A. 23–0	Baltimore	3.70	3.69						*20.50	*21.90			
Domestic Sheep Manure 1.50–T.P.A. 1–1	Baltimore	2.47	2.54						*23.00	*27.00			
	Baltimore	1.50	1.61						*1.00	*1.30	1.00	3.40	

† Sampled before registration.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Baugh & Sons Co., Balto., Md. (Cont.)													
Baugh's Phosphate & Potash Mixture 0–12–5	Georgetown							1.00	12.00	13.10	5.00	5.04	
†Baugh's Phosphate & Potash Mixture 0–12–5	Baltimore							1.40	12.00	12.30	5.00	5.60	
†Baugh's Phosphate & Potash Mixture 0–10–10	Denton							1.00	10.00	10.60	10.00	10.44	
Baughphos, The Ideal Superphosphate 0–20–0	Baltimore							.60	20.00	20.70			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.30	16.00	18.20			
Baughphos, The Ideal Superphosphate 0–16–0	Baltimore							.30	16.00	17.40			
F. W. Bolgiano & Co.,Inc.,Washington,D.C.													
Gold Tag 10–6–4		10.00	**9.50**	7.50	**5.83**	2.50	**3.67**	.80	6.00	**6.80**	4.00	**4.58**	237 A
Gold Tag 10–3–3		10.00	**9.40**	7.50	**6.91**	2.50	**2.49**	.30	3.00	**4.10**	3.00	**3.60**	240 A
Gold Tag 8–5–2		8.00	**8.04**	7.20	**6.84**	.80	**1.20**	.50	5.00	**5.40**	2.00	**2.42**	256 A
Gold Tag 6–6–5		6.00	**6.11**	3.60	**3.38**	2.40	**2.73**	.80	6.00	**6.10**	5.00	**5.36**	86 A
Gold Tag 5–10–5		5.00	**5.42**	3.75	**2.92**	1.25	**2.50**	.40	10.00	**11.30**	5.00	**5.04**	19 A
Gold Tag 4–12–4		4.00	**4.17**	3.00	**3.02**	1.00	**1.15**	.80	12.00	**12.10**	4.00	**4.58**	177 A
Gold Tag 4–8–12		4.00	**4.16**	3.00	**2.76**	1.00	**1.40**	.50	8.00	**9.10**	12.00	**11.34**	52 B
Gold Tag 4–8–5		4.00	**4.45**	3.00	**3.10**	1.00	**1.35**	.80	8.00	**8.20**	5.00	**5.60**	83 B
Gold Tag 2–12–6		2.00	**2.01**	1.50	**1.26**	.50	**.75**	1.10	12.00	**12.30**	6.00	**5.98**	282 B
Gold Tag 2–9–5		2.00	**2.12**	1.50	**1.19**	.50	**.93**	.90	9.00	**8.60**	5.00	**5.32**	354 B
Gold Tag 2–8–10		2.00	**1.99**	1.50	**1.26**	.50	**.73**	.60	8.00	**8.70**	10.00	**10.80**	177 B
Gold Tag Raw Bone Meal 3.70–T.P.A. 20.50–0		3.70	**4.10**						*20.50	*23.20			
Gold Tag Steamed Bone Meal 2.47–T.P.A. 23–0		2.47	**2.64**						*23.00	*24.10			
Gold Tag 0–14–6								.70	14.00	14.40	6.00	6.36	
Gold Tag Superphosphate 0–20–0								.50	20.00	21.90			
Gold Tag Superphosphate 0–20–0								.50	20.00	20.20			

Gold Tag Superphosphate 0–16–0									.90	16.00	17.40			
†Gold Tag Muriate of Potash 0–0–48	Hyattsville											48.00	47.00	
Herbert Bryant, Inc., Alexandria, Va.														
6–6–5	Wash. Grove	6.00	5.98	4.80	4.56	1.20	1.42	.40	6.00	6.90	5.00	5.44	319 A
5–8–5	Silver Spring	5.00	4.91	3.75	3.83	1.25	1.08	.50	8.00	8.80	5.00	5.28	294 A
4–12–4	Wash. Grove	4.00	3.99	3.00	3.06	1.00	.93	.90	12.00	13.00	4.00	4.50	272 A
3–8–5	Wash. Grove	3.00	3.02	1.80	1.90	1.20	1.12	.70	8.00	9.20	5.00	5.16	33 A
Chesapeake Fish Brand 2–12–6	Wash. Grove	2.00	1.97	.20	.21	1.80	1.76	1.70	12.00	13.10	6.00	6.60	17 B
2–12–4	Wash. Grove	2.00	1.98	1.00	.95	1.00	1.03	1.20	12.00	12.30	4.00	4.19	70 B
2–8–5	Silver Spring	2.00	1.99	1.00	1.02	1.00	.97	.80	8.00	9.20	5.00	5.44	51 B
Sulphate of Ammonia 20.56–0–0	Silver Spring	20.56	20.60										
Pure Animal Bone Meal 3.70–T.P.A. 21.50–0	Silver Spring	3.70	4.03						*21.50	*23.90			
High Grade Superphosphate 0–20–0	Wash. Grove							.30	20.00	22.20			
High Grade Superphosphate 0–16–0	Silver Spring							2.00	16.00	16.70			
High Grade Superphosphate 0–16–0	Wash. Grove							1.30	16.00	16.80			
†Muriate of Potash 0–0–50	Silver Spring										50.00	50.10	
Joseph L. Bullock, Baltimore, Md.													
Bullock 6–6–5	Baltimore	6.00	6.14	3.00	2.91	3.00	3.23	.80	6.00	6.00	5.00	6.44	233 B
A. H. Case & Co., Inc., Buffalo, N. Y.													
†Par Plus Brand Pulverized Sheep Manure 1.85–T.P.A. 1.50–1.50	Silver Spring	1.85	2.27						*1.50	*2.60	1.50	2.50	
Central Chemical Corporation of Maryland, Hagerstown, Md.													
†Famous Gardenrite Plant Food 5–10–5	Mt. Lake Park	5.00	4.97	2.50	4.30	2.50	.67	.50	10.00	11.10	5.00	5.04	79 A
†Farmrite Farmers Favorite 4–12–4	Frederick	4.00	4.06	3.25	3.34	.75	.72	.60	12.00	12.30	4.00	5.59	147 A
†Farmrite Potato Grower 4–8–8	Frederick	4.00	4.10	3.20	3.34	.80	.76	.40	8.00	8.00	8.00	8.32	48 B
Farmrite Potato Special 4–8–7	Frederick	4.00	4.00	3.20	1.83	.80	2.17	.60	8.00	8.60	7.00	7.10	105 B
†Farmrite Potato Special 4–8–7	Myersville	4.00	4.00	3.20	3.38	.80	.62	.30	8.00	8.20	7.00	7.37	103 B
Farmrite Fertilizer 2..12–6	Mt. Lake Park	2.00	2.03	1.40	1.55	.60	.48	.70	12.00	12.10	6.00	7.06	143 B
†Farmrite Grain Food 2–12–4	Mt. Lake Park	2.00	1.92	1.40	1.51	.60	.41	.70	12.00	12.40	4.00	4.16	86 B
†Farmrite Grain Food 2–12–4	Friendsville	2.00	1.97	1.40	1.62	.60	.35	.40	12.00	12.70	4.00	4.26	26 A
Farmrite Excelsior 2–9–5	Hancock	2.00	1.97	1.40	1.40	.60	.57	.30	9.00	10.10	5.00	5.28	56 B
†Farmrite Excelsior 2–9–5	Maugansville	2.00	1.99	1.40	1.29	.60	.70	.60	9.00	9.70	5.00	5.30	307 B
†Farmrite Imperial 2–8–10	Friendsville	2.00	1.83	1.40	1.48	.60	.35	.30	8.00	8.60	10.00	10.40	21 B
†Farmrite Fertilizer 0–14–6	Frederick							1.40	14.00	14.20	6.00	6.71	
Farmrite Superphosphate 0–20–0	Mt. Lake Park							.60	20.00	21.80			

† Sampled before registration.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Central Chemical Corporation of Maryland, Hagerstown, Md., (Continued.)													
Farmrite Superphosphate 0–20–0	Frederick							1.00	20.00	21.30			
†Farmrite Superphosphate 0–16–0	Myersville							.20	16.00	16.90			
†Farmrite Carbo Lime Phosphate 0–16–0	Hancock							.90	16.00	17.30	‡30.00	‡33.90	
Chewsville Cooperative Assoc., Inc., Chewsville, Md.													
Planters Pride 10–6–4	Chewsville	10.00	**9.40**	9.00	**9.29**	1.00	**.11**	**.50**	6.00	**7.80**	**4.00**	**4.12**	25 A
Super Vegetable Mixture 5–10–5	Chewsville	5.00	**5.17**	4.00	**4.11**	1.00	**1.06**	**1.00**	10.00	**11.00**	5.00	**5.32**	198 A
Perfection 4–8–7	Chewsville	4.00	**4.00**	3.00	**2.64**	1.00	**1.36**	**.60**	8.00	**9.40**	7.00	**6.98**	125 B
Crop Producer 3–12–6	Chewsville	3.00	**3.05**	2.00	**1.92**	1.00	**1.13**	**1.40**	12.00	**13.00**	6.00	**7.22**	54 A
Golden Harvest 2–9–5	Chewsville	2.00	**2.05**	1.00	**1.02**	1.00	**1.03**	**1.10**	9.00	**10.60**	5.00	**5.44**	421 B
Phosphate & Potash 0–14–6	Chewsville							**.70**	14.00	**15.90**	6.00	**6.13**	
Granular Superphosphate 0–20–0	Chewsville							**1.20**	20.00	**20.30**			
Superphosphate 0–16–0	Chewsville							**.40**	16.00	**21.50**			
Chilean Nitrate Sales Corporation, New York, N. Y.													
Champion Brand Chilean Nitrate of Soda 16–0–0	Baltimore	16.00	**16.11**										
Cooperative Fertilizer Service, Richmond, Va.													
Cooperative Southern States Fertilizer Open Formula Fruit Special 10–6–4 Quality Fertilizer	Baltimore	10.00	**9.51**	6.00	**7.08**	4.00	**2.43**	**.50**	6.00	**7.10**	4.00	**4.24**	339 A
Cooperative Fertilizer Service Quality Regular 6–6–5 Fertilizer	Baltimore	6.00	**5.34**	3.60	**3.09**	2.40	**2.25**	**.50**	6.00	**7.40**	5.00	**5.70**	270 B
Cooperative Fertilizer Service Quality Open Formula Super Truck 6–6–5 Fertilizer	Baltimore	6.00	**5.97**	3.60	**3.74**	2.40	**2.23**	**.70**	6.00	**6.60**	5.00	**5.12**	322 B

Cooperative Fertilizer Service Quality

Open Formula Super Truck 5–8–5 Fertilizer	Baltimore	6.00	5.97	3.60	3.74	2.40	2.25						

Cooperative Fertilizer Service Quality Open Formula Truck 5–8–5 Fertilizer†	Baltimore	5.00	5.12	3.00	4.00	2.00	1.12	.50	8.00	8.70	5.00	5.40	158 B
Cooperative Fertilizer Service Quality Open Formula 4–16–4 Fertilizer	Baltimore	4.00	3.86	2.40	2.43	1.60	1.43	1.50	16.00	17.10	4.00	4.40	95 A
Cooperative Fertilizer Service Quality Open Formula 4–12–4 Fertilizer	Baltimore	4.00	4.00	2.40	2.56	1.60	1.44	1.50	12.00	12.00	4.00	4.26	60 B
Cooperative Fertilizer Service Quality Open Formula 4–12–4 Fertilizer	Baltimore	4.00	3.99	2.40	2.36	1.60	1.63	1.40	12.00	12.10	4.00	4.04	37 A
Cooperative Fertilizer Service Quality Open Formula 4–8–8 Fertilizer	Baltimore	4.00	4.04	2.40	2.36	1.60	1.68	1.00	8.00	8.80	8.00	8.24	147 A
Cooperative Fertilizer Service Quality Open Formula 4–8–8 Fertilizer	Baltimore	4.00	3.96	2.40	2.54	1.60	1.42	.80	8.00	9.20	8.00	8.00	291 B
Cooperative Fertilizer Service Quality Open Formula 4–8–8 Fertilizer	Laurel	4.00	3.86	2.40	2.22	1.60	1.84	.80	8.00	8.40	8.00	8.08	334 B
Cooperative Fertilizer Service Quality Open Formula 4–8–5 Fertilizer	Baltimore	4.00	3.99	2.40	2.55	1.60	1.44	.90	8.00	8.50	5.00	5.28	388 B
Cooperative Fertilizer Service Quality Open Formula 3–12–6 Fertilizer	Baltimore	3.00	2.98	1.80	1.92	1.20	1.06	1.20	12.00	12.10	6.00	6.28	5 B
Cooperative Fertilizer Service Quality Open Formula 3–12–6 Fertilizer	Baltimore	3.00	3.12	1.80	1.90	1.20	1.22	1.40	12.00	12.30	6.00	6.12	64 B
Cooperative Fertilizer Service Quality Open Formula 3–12–6 Fertilizer	Baltimore	3.00	3.00	1.80	1.80	1.20	1.20	1.00	12.00	12.40	6.00	6.21	40 B
Cooperative Fertilizer Service Quality Open Formula 3–12–6 Fertilizer	Baltimore	3.00	3.05	1.80	1.95	1.20	1.10	.90	12.00	12.90	6.00	6.29	19 A
Cooperative Fertilizer Service Quality Open Formula 2–12–6 Fertilizer	Baltimore	2.00	2.01	1.20	1.24	.80	.77	1.30	12.00	12.50	6.00	5.98	126 B
Cooperative Fertilizer Service Quality Open Formula 2–12–6 Fertilizer	Baltimore	2.00	1.98	1.20	1.25	.80	.73	.80	12.00	12.30	6.00	6.21	201 B
Cooperative Fertilizer Service Quality Open Formula 2–12–6 Fertilizer	Baltimore	2.00	2.01	1.20	1.21	.80	.80	.90	12.00	12.50	6.00	6.38	208 B
Cooperative Fertilizer Service Quality Open Formula 2–12–6 Fertilizer	Baltimore	2.00	2.04	1.20	1.32	.80	.72	1.50	12.00	12.30	6.00	5.90	120 B
Cooperative Fertilizer Service Quality Regular 2–12–6 Fertilizer	Baltimore	2.00	2.02	1.50	1.26	.50	.76	.80	12.00	12.70	6.00	6.36	20 B
Cooperative Fertilizer Service Quality Regular 2–12–6 Fertilizer	Baltimore	2.00	1.99	1.50	1.33	.50	.66	.80	12.00	13.10	6.00	6.29	21 B
Cooperative Fertilizer Service Quality Open Formula 2–12–4 Fertilizer	Baltimore	2.00	2.06	1.20	1.26	.80	.80	1.10	12.00	12.00	4.00	4.52	220 B
Cooperative Fertilizer Service Quality Open Formula 2–9–5 Fertilizer	Baltimore	2.00	1.99	1.20	1.26	.80	.73	.80	9.00	9.00	5.00	5.20	411 B
Cooperative Fertilizer Service Quality Open Formula 2–9–5 Fertilizer	Baltimore	2.00	2.01	1.20	1.22	.80	.79	1.00	9.00	9.10	5.00	5.30	625 B

† Sampled before registration. ‡ Calcium Oxide.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Cooperative Fertilizer Service, Richmond, Va., (Continued.)													
Cooperative Fertilizer Service Quality Open Formula 2–9–5 Fertilizer	Baltimore	2.00	**2.01**	1.20	**1.19**	.80	.82	.90	9.00	**9.50**	5.00	**5.44**	588 B
Cooperative Fertilizer Service Quality Open Formula 2–8–10 Fertilizer	Baltimore	2.00	**1.99**	1.20	**1.19**	.80	.80	.80	8.00	**8.40**	10.00	**10.40**	411 B
Cooperative Fertilizer Service Quality Sulphate of Ammonia 20.50–0–0	Friendsville	20.50	**20.48**										
Cooperative Fertilizer Service Raw Bone Meal 3.70–T.P.A. 20–0	Baltimore	3.70	**3.82**						*20.00	*23.10			
Cooperative Fertilizer Service Sheep and Goat Manure 1.25–T.P.A. 1–2	Cumberland	1.25	**1.35**						*1.00	*3.00	2.00	**2.80**	
Cooperative Fertilizer Service Quality Open Formula 0–14–6, Fertilizer	Baltimore							1.00	14.00	**14.60**	6.00	**6.22**	
Cooperative Fertilizer Service Quality Regular 0–14–6 Fertilizer	Baltimore							1.20	14.00	**15.00**	6.00	**6.17**	
Cooperative Fertilizer Service Quality Open Formula 0–12–5 Fertilizer	Baltimore							1.20	12.00	**12.90**	5.00	**5.28**	
Cooperative Fertilizer Service Quality Superphosphate 0–20–0	Baltimore							1.30	20.00	**20.90**			
Cooperative Fertilizer Service Quality Superphosphate 0–20–0	Baltimore							1.10	20.00	**21.30**			
Cooperative Fertilizer Service Quality Superphosphate 0–20–0	Baltimore							1.20	20.00	**20.70**			
Cooperative Fertilizer Service Quality Superphosphate 0–16–0	Baltimore							1.40	16.00	**16.50**			
Cooperative Fertilizer Service Quality Regular Superphosphate 0–16–0	Baltimore							1.00	16.00	**17.00**			
The Davison Chemical Corporation, Baltimore, Md.													
Davco Granulated Pomo Food 10–6–4	College Park	10.00	**9.88**					.60	6.00	6.60	**4.00**	4.35	
Davco Granulated Fertilizer 5–10–5	Cambridge	5.00	**4.71**	4.82	**4.56**	.18	.15	.60	10.00	**10.50**	5.00	**4.97**	40 A
Davco Granulated Tomato Food 4–12–6	Baltimore	4.00	**4.04**	3.86	**3.76**	.14	.28	.80	12.00	**12.50**	6.00	**5.98**	42 A

Davco Granulated Pomo Food 10–6–4	Cambridge	5.00	4.71	4.82	4.36	.18		.80	12.00	12.50	6.00	5.98	42 A
Davco Granulated Fertilizer 5–10–5	Cambridge	4.00	4.04	3.86	3.76	.14	.28						
Davco Granulated Tomato Food 4–12–6	Baltimore												

The Davison Chemical Corporation, Baltimore, Md.—(Continued.)													
Davco Granulated Fertilizer 4–8–8	Baltimore	4.00	4.00	3.86	3.75	.14	.25	.40	8.00	8.70	8.00	8.08	91 B
Davco Granulated Fertilizer 2–9–5	Cambridge	2.00	2.13	1.40	1.41	.60	.72	.70	9.00	9.90	5.00	5.82	619 B
Davco Granulated Fertilizer 2–8–10	Baltimore	2.00	1.87	1.93	1.83	.07	.04	.40	8.00	8.60	10.00	10.12	577 B
Davco Granulated Fertilizer 0–12–12	Cambridge							.60	12.00	12.60	12.00	12.40	
Davco Granulated Fertilizer 0–10–10	Cambridge							.70	10.00	11.20	10.00	10.80	
†High Grade Kainit 0–0–20	Cambridge										20.00	21.62	
Devilbiss Brothers, New Windsor, Md.													
4–8–7	New Windsor	4.00	4.13	3.50	3.57	.50	.56	.30	8.00	10.10	7.00	7.60	49 B
2–12–6	New Windsor	2.00	2.16	1.80	1.99	.20	.17	.50	12.00	12.90	6.00	6.98	74 B
Butcher House 2–9–5	New Windsor	2.00	2.04	1.60	1.71	.40	.33	.50	9.00	11.40	5.00	6.32	198 B
Wheat Grower 1–10–5	New Windsor	1.00	1.12	.80	.93	.20	.19	.70	10.00	12.20	5.00	5.35	225 B
Superphosphate 0–18–0	New Windsor							.30	18.00	21.00			
Dorchester Fertilizer Co., Cambridge, Md.													
On-Top 7–5–4	Cambridge	7.00	7.09	7.00	5.85		1.24	.50	5.00	5.00	4.00	4.26	258 B
On-Top 7–5–4	Cambridge	7.00	6.98	7.00	6.94		.04	.30	5.00	5.60	4.00	6.21	13 A
Dorco Champion 6–8–6	Cambridge	6.00	6.02	4.25	4.32	1.75	1.70	.50	8.00	8.50	6.00	6.40	64 A
Dorco Champion 6–8–6	Cambridge	6.00	5.97	4.25	4.54	1.75	1.43	.40	8.00	7.80	6.00	6.50	11 B
Crown 6–6–5	Cambridge	6.00	5.97	4.25	4.43	1.75	1.54	.40	6.00	7.40	5.00	5.70	51 B
Crown 6–6–5	Cambridge	6.00	6.14	4.25	4.45	1.75	1.69	.60	6.00	6.40	5.00	5.30	69 B
Diamond 5–12–8	Cambridge	5.00	5.19	3.00	2.60	2.00	2.59	.90	12.00	12.10	8.00	8.50	75 A
Dorco Majestic 5–10–6	Cambridge	5.00	5.53	4.00	3.58	1.00	1.95	.40	10.00	10.00	6.00	7.00	83 A
Dorco Majestic 5–10–5	Cambridge	5.00	5.22	4.00	4.47	1.00	.75	.40	10.00	9.50	6.00	6.83	92 A
Dorco Jewel 5–8–12	Cambridge	5.00	5.00	3.00	3.10	2.00	1.90	.40	8.00	8.10	12.00	13.66	25 B
Dorco Jewel 5–8–12	Cambridge	5.00	4.98	3.00	2.99	2.00	1.99	.50	8.00	8.00	12.00	12.70	43 B
Dorco Choice 4–8–10	Cambridge	4.00	4.16	2.80	2.18	1.20	1.98	.90	8.00	8.30	10.00	10.24	151 B
Dorco Choice 4–8–10	Cambridge	4.00	3.98	2.80	2.66	1.20	1.32	.60	8.00	8.60	10.00	10.44	66 B
Regal 4–8–8	Cambridge	4.00	4.06	2.80	2.75	1.20	1.31	.60	8.00	8.50	8.00	8.50	173 B
Regal 4–8–8	Cambridge	4.00	3.96	2.80	2.51	1.20	1.45	.40	8.00	8.20	8.00	8.60	273 B
Trucker 4–8–5	Cambridge	4.00	4.03	3.20	3.06	.80	.97	.60	8.00	8.80	5.00	5.74	146 A
Trucker 4–8–5	Cambridge	4.00	4.00	3.20	3.00	.80	1.00	.70	8.00	8.50	5.00	6.05	122 B
Dorco Imperial 3–12–6	Cambridge	3.00	3.23	2.00	2.64	1.00	.59	.60	12.00	10.90	6.00	6.68	83 B
Dorco Royal 3–8–10	Cambridge	3.00	3.20	2.70	2.71	.30	.49	.50	8.00	8.80	10.00	10.24	57 B
Dorco Merit 2–12–6	Cambridge	2.00	2.50	1.60	1.77	.40	.73	.80	12.00	11.40	6.00	6.90	223 B
Favorite 2–8–10	Cambridge	2.00	2.04	1.80	1.73	.20	.31	.60	8.00	8.00	10.00	10.70	365 B

† Sampled before registration.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Dorchester Fert. Co., Cambridge, Md.(Ct.)													
Standard 0–10–10	Cambridge							**1.00**	10.00	**10.10**	10.00	**10.70**	
†Superphosphate 0–20–0	Cambridge							.80	20.00	**20.60**			
Edelen Brothers, Baltimore, Md.													
Edelens 10% Tobacco Bed 10–5–2	Baltimore	10.00	**9.96**	8.50	**8.52**	1.50	**1.44**	**.60**	5.00	**6.10**	2.00	**2.47**	778 A
Edelens 10% Tobacco Bed 10–5–2	Baltimore	10.00	**10.32**	8.50	**8.40**	1.50	**1.92**	**.50**	5.00	**5.00**	2.00	**2.34**	497 A
Edelens High Grade Tobacco 4–8–12	Baltimore	4.00	**3.96**	3.40	**3.41**	.60	**.55**	**.40**	8.00	**8.80**	12.00	**12.60**	107 A
Egypt Poultry Farm, Owings Mills, Md.													
Egyptian Grower 2.70–T.P.A. 1.60–1.28	Owings Mills	2.70	**2.70**						*1.60	***3.30**	1.28	**1.94**	
Farmers Cooperative Association, Inc., Frederick, Md.													
Spring Special 4–8–8	Frederick	4.00	**4.46**	3.20	**3.82**	.80	**.64**	**.60**	8.00	**9.20**	8.00	**10.12**	134 A
Sure Crop 2–12–6	Frederick	2.00	**2.20**	1.60	**1.66**	.40	**.54**	**.70**	12.00	**11.50**	6.00	**8.68**	56 B
Wheat & Grass Special 2–9–5	Frederick	2.00	**2.15**	1.60	**1.71**	.40	**.44**	**1.00**	9.00	**10.60**	5.00	**7.14**	220 B
Rock & Potash Special 0–12–5	Frederick							**.80**	12.00	**11.30**	5.00	**7.60**	
Superphosphate 0–20–0	Frederick							**.90**	20.00	**18.30**			
Superphosphate 0–16–0	Frederick							**1.30**	16.00	**16.10**			
Farmers Fertilizer & Feed Co., Westminster, Md.													
Truckers Delight 4–8–8	Westminster	4.00	**3.65**	3.50	**3.33**	.50	**.32**	**1.10**	8.00	**8.10**	8.00	**8.50**	279 B
Economy 3–12–6	Westminster	3.00	**3.05**	2.50	**2.46**	.50	**.59**	**1.30**	12.00	**11.70**	6.00	**6.80**	69 B
Economy 3–12–6	Westminster	3.00	**2.78**	2.50	**2.22**	.50	**.56**	**1.70**	12.00	**11.70**	6.00	**6.75**	78 B
Superior 2–12–6	Westminster	2.00	**1.99**	1.40	**1.47**	.60	**.52**	**2.30**	12.00	**12.40**	6.00	**7.22**	150 B
Superior 2–12–6	Westminster	2.00	**2.01**	1.40	**1.49**	.60	**.52**	**1.70**	12.00	**11.30**	6.00	**6.75**	265 B
High Grade 2–9–5	Westminster	2.00	**1.98**	1.40	**1.35**	.60	**.63**	**2.10**	9.00	**8.70**	5.00	**5.67**	375 B
High Grade 2–9–5	Westminster	2.00	**1.99**	1.40	**1.39**	.60	**.60**	**1.70**	9.00	**8.70**	5.00	**5.42**	346 B
Farmers Potash Special 2–8–10	Westminster	2.00	**1.97**	1.40	**1.42**	.60	**.55**	**.90**	8.00	**8.10**	10.00	**10.32**	320 B
Farmers Potash Special 2–8–10	Westminster	2.00	**1.98**	1.40	**1.39**	.60	**.59**	**.80**	8.00	**8.20**	10.00	**10.44**	291 B
Superphosphate & Potash 0–14–6	Westminster							**1.30**	14.00	**13.80**	6.00	**6.36**	
†Superphosphate 0–20–0	Westminster							**1.10**	20.00	**19.80**			

Superphosphate & Potash 0–14–6	Westminster												
†Superphosphate 0–20–0	Westminster							1.10	20.00	19.80			
Superphosphate 0–16–0	Westminster							1.30	16.00	18.20			
Farmers & Planters Co., Salisbury, Md.													
F. & P. Brand 6–8–6	Salisbury	6.00	6.01	4.80	4.01	1.20	2.00	.80	8.00	8.80	6.00	5.86	53 A
F. & P. Brand 6–8–6	Salisbury	6.00	6.00	4.80	4.13	1.20	1.87	.70	8.00	8.10	6.00	6.09	79 A
F. & P. Brand 6–6–5 Special High Grade	Salisbury	6.00	6.04	4.80	4.99	1.20	1.05	.80	6.00	7.40	5.00	4.98	14 A
F. & P. Brand 6–6–5 Special High Grade	Salisbury	6.00	6.21	4.80	4.07	1.20	2.14	.80	6.00	6.50	5.00	5.40	
F. & P. Brand 5–8–12 Early Truck	Salisbury	5.00	5.25	4.00	4.24	1.00	1.01	.80	8.00	7.90	12.00	12.70	5 B
F. & P. Brand 4–8–8 Tomato Special	Salisbury	4.00	4.16	3.20	3.19	.80	.97	1.20	8.00	8.00	8.00	8.50	112 B
Ford Motor Co., Dearborn, Mich.													
Ford Ammonium Sulphate 20.80–0–0	Baltimore	20.80	20.82										
Goulard & Olena, Inc., New York, N. Y.													
†G. & O. Bone Meal 2.40–T.P.A. 22.75–0	Baltimore	2.40	2.39						*22.75	*27.00			
†G. & O. Sheep Manure 1–T.P.A. 1–2	Baltimore	1.00	1.35						*1.00	*2.30	2.00	3.96	
Griffith & Boyd Co., Baltimore, Md.													
Griffith & Boyd's Potato & Truck Guano 6–6–5	Laurel	6.00	5.70	3.60	3.45	2.40	2.25	.70	6.00	6.80	5.00	5.12	188 A
Griffith & Boyd's Potato & Truck Guano 6–6–5	Baltimore	6.00	6.18	3.60	3.83	2.40	2.35	.50	6.00	6.80	5.00	5.06	210 A
†Griffith & Boyd's Truck & Potato Special 5–10–5	Baltimore	5.00	5.10	2.50	2.75	2.50	2.35	.80	10.00	10.60	5.00	5.50	170 A
Griffith & Boyd's Royal 4–8–8 Guano	Baltimore	4.00	4.02	2.00	2.31	2.00	1.71	.50	8.00	8.80	8.00	8.34	63 A
Griffith & Boyd's Royal 4–8–8 Guano	Baltimore	4.00	3.93	2.00	2.06	2.00	1.87	.50	8.00	8.80	8.00	8.38	79 A
Griffith & Boyd's High Grade Truck Guano 4–8–7	Baltimore	4.00	3.99	3.20	3.31	.80	.68	.50	8.00	8.90	7.00	7.06	139 B
Griffith & Boyd's High Grade Truck Guano 4–8–7	Baltimore	4.00	3.97	3.20	3.31	.80	.66	.50	8.00	9.00	7.00	6.98	241 A
†Griffith & Boyd's Planters Pride 3–12–6	Baltimore	3.00	3.17	2.10	2.36	.90	.81	.60	12.00	12.60	6.00	6.01	85 A
†Griffith & Boyd's Special Potato Fertilizer 3–8–8	Baltimore	3.00	2.99	2.10	1.99	.90	1.00	.50	8.00	8.90	8.00	8.24	56 A
Special Guano 2–9–5	Laurel	2.00	1.98	1.40	1.35	.60	.63	.80	9.00	9.10	5.00	5.76	99 A
Pure Fine Ground Bone Meal 3.70–T.P.A. 20–0	Laurel	3.70	3.73						*20.00	*22.70			
Sheep Manure 1–T.P.A. 1–2	Baltimore	1.00	1.22						*1.00	*2.10	2.00	3.20	
†Sheep Manure 1–T.P.A. 1–2	Hagerstown	1.00	1.15						*1.00	*2.60	2.00	3.34	
Griffith & Turner Co., Baltimore, Md.													
G. & T. Co's Grass Fertilizer 9–5–2	Baltimore	9.00	9.12	7.20	7.96	1.80	1.16	.30	5.00	6.10	2.00	2.70	80 A

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Griffith & Turner Co., Balto., Md., (Cont.)													
G. & T. Co's Grass Fertilizer 9–5–2	Baltimore	9.00	**9.98**	7.20	**8.18**	1.80	**1.80**	.40	5.00	**5.60**	2.00	**2.60**	772 A
G. & T. Co's Garden Fertilizer 4–8–7	Baltimore	4.00	**3.99**	3.20	**3.27**	.80	.72	.40	8.00	**8.70**	7.00	**6.97**	208 A
G. & T. Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	**2.98**	.....	.....	.....	.....	.....	*14.00	*16.70	.....	.....	.....
G. & T. Co's Soft Ground Bone 3–T.P.A. 14–0	Baltimore	3.00	**2.91**	.....	.....	.....	.....	.....	*14.00	*16.30	.....	.....	.....
Hampstead Fertilizer Co., Hampstead, Md.													
Hampstead's 4–8–8	Hampstead	4.00	**3.96**	3.25	**3.16**	.75	.80	.40	8.00	**9.60**	8.00	**8.20**	37 A
Hampstead's 2–12–6	Hampstead	2.00	**2.05**	1.50	**1.49**	.50	.56	.50	12.00	**12.50**	6.00	**7.06**	82 A
Hampstead's 2–9–5	Hampstead	2.00	**2.01**	1.50	**1.57**	.50	.44	.40	9.00	**9.70**	5.00	**5.60**	202 B
Hampstead's Superphosphate 0–20–0	Hampstead	.....	.....	.....	.....	.....	.....	.50	20.00	**20.60**	.....	.....	.....
A. H. Hoffman, Inc., Landisville, Pa.													
Hoffman's Plant Food 5–8–6	Baltimore	5.00	**5.10**	3.50	**3.15**	1.50	**1.95**	.60	8.00	**11.70**	6.00	**6.24**	.....
Hoffman's Cow Manure (Dehydrated) 2–T.P.A. 2–2	Baltimore	2.00	**2.27**	.....	.....	.....	.....	.....	*2.00	*3.40	2.00	**2.20**	.....
Hoffman's Sheep Manure (Kiln-Dried) 1.85–T.P.A. 1–2	Baltimore	1.85	**2.46**	.....	.....	.....	.....	.....	*1.00	*1.90	2.00	**3.57**	.....
Horsey Roe & Co., Greensboro, Md.													
6–8–5	Greensboro	6.00	**5.97**	3.00	**3.57**	3.00	**2.40**	.50	8.00	**9.80**	5.00	**5.12**	148 B
3–8–10	Greensboro	3.00	**3.68**	1.50	**2.79**	1.50	.89	.60	8.00	**10.00**	10.00	**10.82**	87 B
Huston, Culver & Co., Inc., Seaford, Del.													
Huston, Culver & Co's 6% 6–6–5	Federalsburg	6.00	**6.14**	5.00	**3.76**	1.00	**2.38**	.70	6.00	**7.30**	5.00	**5.80**	44 A
Huston, Culver & Co's Special 4–8–8	Federalsburg	4.00	**3.65**	3.00	**2.94**	1.00	.71	.60	8.00	**9.80**	8.00	**4.88**	498 B
Trucker 4–8–5	Federalsburg	4.00	**5.67**	3.00	**3.71**	1.00	**1.96**	.60	8.00	**8.20**	5.00	**5.58**	24 A
Rock & Kainit 1–8–8	Federalsburg	1.00	**1.33**	1.00	**1.15**	.....	.18	.30	8.00	**7.70**	8.00	**8.00**	259 B

Trucker 4–8–5	Federalsburg	1.00	1.33	1.00	1.15			.18	.30	8.00			
Rock & Kainit 1–8–8													
Hydroponic Chemical Co., Inc., New York, N. Y.													
Hyponex 7–6–19	Baltimore	7.00	6.97	7.00	6.97			.20	6.00	7.60	19.00	19.10	90 B
The Kem Plant Food Corporation, New York, N. Y.													
†Kem Liquid Plant Food .08–T.P.A. 16–10	Cambridge	.08	.10						*.16	*.19	.10	.12	
Koller Fertilizer Co., York, Pa.													
†Koller's Old Process Bone Meal 3.75–T.P.A. 23–0	Towson	3.75	4.79						*23.00	*21.70			
The Maryland Milling & Supply Co., Sykesville, Md.													
Forthman's Special 5–10–5	Sykesville	5.00	5.10	4.75	4.89	.25	.21	.40	10.00	11.40	5.00	5.35	318 A
Forthman's Special 5–10–5	Catonsville	5.00	4.98					.70	10.00	10.80	5.00	6.10	
M. M. & S. Co. Tomato-Corn 4–8–8	Sykesville	4.00	3.93	3.75	3.72	.25	.21	.30	8.00	8.80	8.00	8.24	144 A
Gambrill's Mixture 2–12–6	Sykesville	2.00	2.13	1.75	2.01	.25	.12	1.00	12.00	12.70	6.00	6.50	109 A
Newman's Favorite 2–9–5	Sykesville	2.00	2.01	1.50	1.83	.50	.18	.60	9.00	10.80	5.00	5.01	34 A
Special Mixture 1–12–6	Sykesville	1.00	1.05	.50	.72	.50	.33	.90	12.00	12.90	6.00	6.29	93 B
Phosphate-Potash 0–12–5	Sykesville							2.00	12.00	12.10	5.00	4.42	
Maryland Tobacco Growers Association, Baltimore, Md.													
Md. Assoc. Brand 10–5–2 Tobacco Bed Potash from Sulphate	Baltimore	10.00	10.25	8.50	8.80	1.50	1.45	.60	5.00	6.00	2.00	2.36	808 A
Md. Assoc. Brand 8–5–2 Tobacco Bed Potash from Sulphate	Baltimore	8.00	8.03	6.80	7.02	1.20	1.01	.50	5.00	6.20	2.00	2.50	666 A
Md. Assoc. Brand 6–6–8 Tobacco Bed Potash from Sulphate	Baltimore	6.00	5.97	5.10	4.90	.90	1.07	.50	6.00	6.30	8.00	8.40	412 A
Md. Assoc. Brand 4–12–16 Tobacco Potash from Sulphate	Huntingtown	4.00	3.99	3.40	3.29	.60	.70	.40	12.00	12.90	16.00	16.16	68 A
†Md. Assoc. Brand 4–12–16 Tobacco Potash from Sulphate	Baltimore	4.00	3.99	3.40	3.33	.60	.66	.40	12.00	12.50	16.00	16.40	258 A
Md. Assoc. Brand 4–8–16 Tobacco Potash from Sulphate	Huntingtown	4.00	3.99	3.40	3.27	.60	.72	.30	8.00	9.30	16.00	16.00	186 A
Md. Assoc. Brand 4–8–12 Tobacco Potash from Sulphate	Huntingtown	4.00	4.04	3.40	3.36	.60	.68	.30	8.00	9.40	12.00	11.96	28 A
†Md. Assoc. Brand 4–8–12 Tobacco Potash from Sulphate	Baltimore	4.00	4.06	3.40	3.36	.60	.70	.30	8.00	8.50	12.00	12.26	59 A
Md. Assoc. Brand 4–8–10 Tobacco Potash from Sulphate	Waldorf	4.00	3.99	3.40	3.29	.60	.70	.30	8.00	8.40	10.00	11.06	16 A

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Maryland Tobacco Growers Association, Baltimore, Md., (Continued.)													
Md. Assoc. Brand 4–8–10 Tobacco Potash from Sulphate	Huntingtown	4.00	**4.10**	3.40	**3.43**	.60	**.67**	**.20**	8.00	**8.10**	10.00	**11.20**	43 B
†Md. Assoc. Brand 4–8–10 Tobacco Potash from Sulphate	Baltimore	4.00	**4.07**	3.40	**3.34**	.60	**.73**	**.30**	8.00	**8.80**	10.00	**11.24**	61 B
Md. Assoc. Brand 4–8–7 Tobacco Potash from Sulphate	Waldorf	4.00	**3.90**	3.40	**3.14**	.60	**.76**	**.30**	8.00	**8.80**	7.00	**7.24**	197 B
Md. Assoc. Brand 4–8–7 Tobacco Potash from Sulphate	Huntingtown	4.00	**4.13**	3.40	**3.59**	.60	**.54**	**.40**	8.00	**8.20**	7.00	**7.80**	207 B
†Md. Assoc. Brand 4–8–5 Tobacco Potash from Sulphate	Baltimore	4.00	**3.99**	3.40	**3.37**	.60	**.62**	**.30**	8.00	**8.60**	5.00	**5.60**	264 B
Md. Assoc. Brand 4–8–5 Tobacco Potash from Sulphate	Huntingtown	4.00	**4.13**	3.40	**3.43**	.60	**.70**	**.30**	8.00	**8.60**	5.00	**5.35**	229 B
Md. Assoc. Brand 2–8–10 Tobacco Potash from Sulphate	Huntingtown	2.00	**2.05**	1.50	**1.49**	.50	**.56**	**.20**	8.00	**8.80**	10.00	**10.40**	426 B
Massey & Wilmer, Inc., Chestertown, Md.													
Tom, Jr. 4–8–5	Chestertown	4.00	**3.89**	3.20	**3.27**	.80	**.62**	**.50**	8.00	**8.60**	5.00	**5.60**	222 B
2–12–6	Chestertown	2.00	**2.02**	1.50	**1.71**	.50	**.31**	**.60**	12.00	**12.90**	6.00	**6.68**	86 B
Trustworthy 2–9–5	Chestertown	2.00	**1.97**	1.50	**1.35**	.50	**.62**	**1.00**	9.00	**9.30**	5.00	**5.12**	107 B
Medford Fertilizer Works, Medford, Md.													
4–8–8	Medford	4.00	**3.51**	3.00	**3.23**	1.00	**.28**	**.20**	8.00	**9.00**	8.00	**8.60**	46 A
2–12–6	Medford	2.00	**1.63**	1.50	**1.29**	.50	**.34**	**.40**	12.00	**13.80**	6.00	**6.83**	14 A
2–9–5	Medford	2.00	**2.08**	1.50	**1.95**	.50	**.13**	**.30**	9.00	**9.40**	5.00	**5.60**	92 B
2–8–10	Medford	2.00	**1.99**	1.50	**1.68**	.50	**.31**	**.30**	8.00	**8.60**	10.00	**9.96**	235 B
Superphosphate 0–18–0	Medford	.....	.....	.....	.....	.....	.....	**.30**	18.00	**21.00**	.....	.....	.....
The Frederick Mehring Fertilizer Works, Inc., Keymar, Md.													
Mt. Airy Turf & Truck Special 6–6–5	Mt. Airy	6.00	**5.46**	5.00	**4.90**	1.00	**.56**	**1.10**	6.00	**7.40**	5.00	**5.28**	121 A
Mt. Airy Pea Special 5–10–5	Mt. Airy	5.00	**5.00**	3.50	**3.81**	1.50	**1.19**	**1.50**	10.00	**10.20**	5.00	**5.12**	126 A
Mehring's Early Truck Guano 4–8–8	Keymar	4.00	**4.16**	3.50	**4.02**	.50	**.14**	**.70**	8.00	**8.70**	8.00	**8.12**	14 A

Mt. Airy Pea Special 5–10–5	Mt. Airy	5.00	5.00	3.50	3.51	1.40	1.40	.70	8.00	8.70	8.00	8.16	14 A
Mehring's Early Truck Guano 4–8–8	Keymar	4.00	4.16	3.50	4.02	.50	.14	.70	8.00	8.70	8.00	8.16	14 A
Mehring's Open Formula 4–8–8	Keymar	4.00	4.03	3.00	3.51	1.00	.52	.70	8.00	8.80	8.00	8.24	41 B
Mt. Airy Wheat & Corn Special 3–12–6	Mt. Airy	3.00	3.10	2.00	2.04	1.00	1.06	1.50	12.00	12.10	6.00	6.29	2 B
Mt. Airy Wheat & Corn Special 3–12–6	Keymar	3.00	3.05	2.00	2.11	1.00	.94	1.40	12.00	12.60	6.00	6.29	24 A
Mehring's Open Formula 2–12–6	Keymar	2.00	2.09	1.60	2.04	.40	.05	.90	12.00	12.50	6.00	5.70	145 B
Mehring's Indian Chief 2–12–6	Keymar	2.00	2.15	1.60	1.92	.40	.23	.90	12.00	12.60	6.00	8.08	83 B
Mehring's Mammouth Truck Grower 2–9–5	Keymar	2.00	2.05	1.60	1.91	.40	.14	.80	9.00	9.60	5.00	5.40	229 B
Mehring's Open Formula 2–9–5	Keymar	2.00	2.08	1.60	2.05	.40	.03	.80	9.00	10.00	5.00	5.24	228 B
†Potash Mixture 0–14–6	Keymar							1.40	14.00	14.20	6.00	5.82	
Mehring's Superphosphate 0–20–0	Keymar							.50	20.00	21.20			
Mehring's Superphosphate 0–16–0	Keymar							1.10	16.00	16.50			
The Meyer Seed Co., Baltimore, Md.													
M-S Lawn & Plant Food 6–6–5	Baltimore	6.00	5.97	3.60	3.76	2.40	2.21	.50	6.00	7.10	5.00	5.70	152 A
Miller Chemical & Fertilizer Corporation, Baltimore, Md.													
Fruit & Tree 10–6–4 Food	Denton	10.00	9.59	9.60	8.14	.40	1.45	.40	6.00	6.20	4.00	3.98	808 A
†Rich Yield 8–16–16	Elkton	8.00	8.16	6.80	7.63	1.20	.53	.50	16.00	15.70	16.00	15.96	350 A
†Rich Yield 6–8–6	Elkton	6.00	5.62	5.10	4.09	.90	1.53	.90	8.00	8.90	6.00	7.06	381 A
Rich Yield 6–6–5	Baltimore	6.00	5.97	5.10	5.19	.90	.78	.50	6.00	6.40	5.00	5.20	382 A
†Rich Yield 5–8–12	Preston	5.00	5.10	4.00	4.53	1.00	.57	.40	8.00	8.00	12.00	14.74	398 A
Potato & Vegetable 4–8–8	Baltimore	4.00	3.86	3.00	2.32	1.00	1.54	.60	8.00	8.40	8.00	9.16	110 A
†Rich Yield 4–8–7	Bel Air	4.00	3.79	3.00	3.00	1.00	.79	.70	8.00	8.60	7.00	7.70	140 A
Rich Yield 2–12–6	Baltimore	2.00	1.85	1.50	.35	.50	1.50	.70	12.00	12.30	6.00	6.44	93 B
†Harvest Queen 2–9–5	Laurel	2.00	1.97	1.20	1.01	.80	.96	.70	9.00	9.20	5.00	5.38	5 B
Harvest Queen 2–9–5	Bel Air	2.00	2.01	1.20	1.40	.80	.61	.60	9.00	9.30	5.00	7.14	14 A
Rich Yield 2–8–10	Baltimore	2.00	2.13	1.20	1.04	.80	1.09	.50	8.00	8.70	10.00	10.40	25 A
Rich Yield 0–14–6	Baltimore							1.00	14.00	14.40	6.00	6.40	
†Rich Yield 0–10–10	Denton							.90	10.00	12.40	10.00	12.40	
Rich Yield Superphosphate 0–20–0	Baltimore							.60	20.00	21.10			
†Rich Yield Kainit 0–0–20	Preston										20.00	22.20	
Natural Lime Marl Fertilizer Works, Clearspring, Md.													
Weller's Crop-Maker 2–9–5	Marl Junction	2.00	1.99	2.00	1.94		.05	1.50	9.00	9.10	5.00	5.36	532 B
Peerless Fertilizer Co., Inc., Chestertown, Md.													
Truckers Pride 6–6–5	Chestertown	6.00	5.97	5.00	5.04	1.00	.93	.50	6.00	6.90	5.00	5.62	125 B
Truckers Pride 6–6–5	Salisbury	6.00	5.70	5.00	4.83	1.00	.87	.40	6.00	6.50	5.00	5.28	181 B
Truckers Pride 6–6–5	Salisbury	6.00	6.02	5.00	5.07	1.00	.95	.40	6.00	6.60	5.00	5.28	139 B

† Sampled before registration.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guarantee	FOUND	FOUND
Peerless Fertilizer Co., Inc., Chestertown, Md., (Continued.)													
5–8–12	Chestertown	5.00	**4.83**	4.10	**3.95**	.90	**.88**	**.40**	8.00	**9.10**	12.00	**12.70**	188 A
5–8–12	Salisbury	5.00	**5.01**	4.10	**4.16**	.90	**.95**	**.30**	8.00	**9.40**	12.00	**12.28**	193 A
5–8–12	Salisbury	5.00	**5.03**	4.10	**4.18**	.90	**.85**	**.50**	8.00	**8.30**	12.00	**12.80**	249 A
Tomato Special 4–8–10	Salisbury	4.00	**3.75**	3.20	**3.05**	.80	**.70**	**.50**	8.00	**8.40**	10.00	**10.02**	177 B
4–8–8	Salisbury	4.00	**3.83**	3.20	**3.33**	.80	**.50**	**.40**	8.00	**7.40**	8.00	**10.16**	217 B
Melon Special 4–8–7	Salisbury	4.00	**3.86**	2.00	**1.83**	2.00	**2.03**	.60	8.00	**9.10**	7.00	**6.68**	240 B
Melon Special 4–8–7	Salisbury	4.00	**3.76**	2.00	**1.86**	2.00	**1.90**	**.60**	8.00	**8.60**	7.00	**7.76**	274 B
†4–8–5	Salisbury	4.00	**4.07**	3.25	**3.34**	.75	**.73**	**.60**	8.00	**8.10**	5.00	**5.84**	163 B
Fish Brand Fertilizer 3–8–10	Salisbury	3.00	**3.13**	2.40	**2.49**	.60	**.64**	**.40**	8.00	**8.90**	10.00	**10.86**	172 B
Fish Brand Fertilizer 3–8–10	Salisbury	3.00	**3.00**	2.40	**2.45**	.60	**.55**	**.50**	8.00	**8.80**	10.00	**10.32**	174 B
Pokon Plant Food Corporation, Detroit, Mich.													
†Pokon Plant Food 16–21–25	Baltimore	16.00	**16.07**					**.20**	21.00	**21.90**	25.00	**30.65**	
Warner W. Price Co., Inc., Smyrna, Del.													
†5–10–5	Elkton	5.00	**4.56**	3.00	**2.77**	2.00	**1.79**	**.50**	10.00	**11.50**	5.00	**6.21**	32 A
4–8–8	Chesapeake City	4.00	**3.86**	3.25	**3.03**	.75	**.83**	**.60**	8.00	**9.20**	8.00	**8.50**	
3–10–8	Chesapeake City	3.00	**3.16**	2.00	**2.36**	1.00	**.80**	**.90**	10.00	**11.00**	8.00	**10.70**	13 A
†2–9–5	Chesapeake City	2.00	**2.26**	2.00	**1.59**		**.67**	**.90**	9.00	**10.40**	5.00	**4.89**	139 B
†0–12–12	Chesapeake City							**.40**	12.00	**11.10**	12.00	**13.50**	
The Pulverized Manure Co., Chicago, Ill.													
Wizard Brand Pulverized Sheep Manure 2–T.P.A. 1–2	Baltimore	2.00	**2.40**						*1.00	***1.30**	2.00	**2.56**	
Wizard Brand Cow Manure 2–T.P.A. 1–1	Baltimore	2.00	**2.11**						*1.00	***1.60**	1.00	**2.32**	
The Ramsburg Fertilizer Co., Frederick, Md.													
High Grade Trucking Fertilizer 4–8–8	Frederick	4.00	**4.03**	3.40	**3.59**	.60	**.44**	**.50**	8.00	**8.50**	8.00	**8.24**	27 B

Frederick, Md.													
High Grade Trucking Fertilizer 4–8–8	Frederick	4.00	4.03	3.40	3.59	.60	.44	.50	8.00	8.50	8.00	8.24	27 B
Champion 3–12–6	Frederick	3.00	2.98	2.40	2.36	.60	.62	1.50	12.00	12.60	6.00	6.29	93 A
Special Fish Brand Fertilizer 2–12–6	Frederick	2.00	2.05	1.10	1.02	.90	1.03	.90	12.00	13.40	6.00	7.29	147 B
Royal Crop Grower 2–12–6	Frederick	2.00	2.19	1.40	1.38	.60	.81	1.00	12.00	12.10	6.00	5.98	49 B
Old Virginia Compound 2–9–5	Frederick	2.00	2.18	1.40	1.33	.60	.85	.60	9.00	10.20	5.00	5.40	300 B
Corn & Potato Fertilizer 1–10–5	Frederick	1.00	1.19	.50	.70	.50	.49	.30	10.00	11.20	5.00	5.34	444 B
Corn & Potato Fertilizer 1–10–5	Dickerson	1.00	1.22	.50	.69	.50	.53	.90	10.00	10.20	5.00	5.12	586 B
Special Rock & Potash 0–12–5	Frederick							.90	12.00	13.50	5.00	5.04	
Superphosphate 0–20–0	Frederick							.20	20.00	20.70			
Superphosphate 0–16–0	Frederick							.90	16.00	17.20			
Read Drug & Chemical Co., Baltimore, Md.													
Plantgro 4–12–4	Baltimore	4.00	4.14	4.00	3.33		.81	.30	12.00	15.10	4.00	4.34	
Raw Bone Meal 3.70–T.P.A. 21.50–0	Baltimore	3.70	3.82						*21.50	*22.70			
The Reindollar Co., Taneytown, Md.													
Trucker's Special 4–8–8	Taneytown	4.00	4.23	3.50	3.14	.50	1.09	.60	8.00	9.00	8.00	8.12	167 B
Grain Grower 2–12–6	Taneytown	2.00	2.20	1.40	.93	.60	1.27	.60	12.00	12.10	6.00	6.60	219 B
Crop Grower 2–9–5	Taneytown	2.00	2.11	1.50	1.45	.50	.66	.30	9.00	9.90	5.00	5.60	171 B
Superphosphate 0–20–0	Taneytown							.40	20.00	21.00			
Superphosphate 0–16–0	Taneytown							.30	16.00	17.30			
E. Miller Richardson & Co., Baltimore, Md.													
Richardson's Rose & Plant Food 3–T.P.A. 6–6	Baltimore	3.00	3.55						*6.00	*7.20	6.00	6.29	
F. S. Royster Guano Co., Baltimore, Md.													
Royster Tobacco Bed Fertilizer 8–5–2	Baltimore	8.00	8.09	6.40	6.83	1.60	1.26	.30	5.00	6.00	2.00	2.64	7 B
Royster Arrow Truck Guano 6–8–6	Baltimore	6.00	6.46	3.60	4.58	2.40	1.88	.70	8.00	8.70	6.00	6.36	97 A
Royster Truck Guano 6–6–5	Baltimore	6.00	5.97	3.60	3.63	2.40	2.34	.60	6.00	6.70	5.00	5.50	35 B
Royster Truck Guano 6–6–5	Baltimore	6.00	6.02	3.60	3.99	2.40	2.03	.60	6.00	6.30	5.00	5.40	62 B
†Royster Steadfast Guano 5–10–10	Mt. Lake Park	5.00	5.00	4.00	3.80	1.00	1.20	1.00	10.00	11.10	10.00	10.24	202 A
Royster Dependable Truck Guano 5–10–5	Baltimore	5.00	5.12	4.00	4.00	1.00	1.12	1.10	10.00	10.00	5.00	5.20	109 A
Royster Fertilizer 5–8–12	Baltimore	5.00	5.05	4.00	4.00	1.00	1.05	1.20	8.00	8.10	12.00	12.26	159 A
Royster Fertilizer 5–8–12	Baltimore	5.00	5.00	4.00	3.73	1.00	1.27	1.00	8.00	8.20	12.00	12.70	82 A
†Royster General Crop Fertilizer 4–12–10	Mt. Lake Park	4.00	4.00	3.20	3.00	.80	1.00	1.00	12.00	12.60	10.00	10.50	156 B
Royster Invincible Tobacco Fertilizer 4–8–12	Baltimore	4.00	3.99	2.00	2.19	2.00	1.80	.30	8.00	8.90	12.00	12.80	144 B
Royster Prize Guano 4–8–10	Baltimore	4.00	4.00	3.20	3.23	.80	.77	.70	8.00	8.00	10.00	10.80	55 B
Royster Trusty Guano 4–8–8	Baltimore	4.00	3.97	3.20	3.01	.80	.96	.60	8.00	8.40	8.00	8.80	56 B
Royster Special Trucker 4–8–5	Baltimore	4.00	4.14	3.20	2.96	.80	1.18	.40	8.00	8.70	5.00	5.30	66 B
Royster Fertilizer 3–8–15	Baltimore	3.00	3.03	2.40	2.13	.60	.90	.80	8.00	8.60	15.00	15.50	84 B
Royster Master Grain Guano 2–12–6	Baltimore	2.00	2.02	1.60	1.38	.40	.64	1.00	12.00	12.40	6.00	6.50	125 B

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
F. S. Royster Guano Co., Baltimore, Md. (Continued)													
Royster Gem Grain Grower 2–12–4	Baltimore	2.00	**2.08**	1.60	**1.40**	.40	**.68**	**1.00**	12.00	**12.30**	4.00	**4.40**	103 B
Royster Big Bully Guano 2–9–5	Baltimore	2.00	**1.98**	1.60	**1.25**	.40	**.73**	**.50**	9.00	**9.40**	5.00	**5.38**	100 B
Royster Gold Dust Tobacco Fertilizer 2–8–10	Baltimore	2.00	**2.19**	1.00	**1.12**	1.00	**1.07**	**.30**	8.00	**9.00**	10.00	**10.44**	168 B
Royster Banner Guano 2–8–10	Baltimore	2.00	**1.98**	1.60	**1.20**	.40	**.78**	**.90**	8.00	**8.50**	10.00	**10.60**	129 B
Royster Phosphate & Potash 0–14–6	Baltimore	.....	.....	.....	.....	.....	.....	**.70**	14.00	**15.30**	6.00	**6.32**	.....
Royster Phosphate & Potash 0–12–12	Baltimore	.....	.....	.....	.....	.....	.....	**.60**	12.00	**12.30**	12.00	**12.80**	.....
Royster Superphosphate 0–16–0	Baltimore	.....	.....	.....	.....	.....	.....	**1.50**	16.00	**16.80**	.....	.....	.....
Royster Muriate of Potash 0–0–50	Friendsville	.....	.....	.....	.....	.....	.....	.....	.....	.....	50.00	**53.00**	.....
Wm. G. Scarlett & Co., Baltimore, Md.													
Greenway Domestic Pulverized Sheep Manure 1.85–T.P.A. 1–1.75	Baltimore	1.85	**2.05**	.....	.....	.....	.....	.....	*1.00	***1.80**	1.75	**3.44**	.....
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.													
Esskay Plant Food 5–9–4	Baltimore	5.00	**6.60**	.....	.....	5.00	**6.60**	**3.70**	9.00	**10.50**	4.00	**4.40**	95 B
O. M. Scott & Sons Co., Marysville, Ohio													
Scotts Turf Builder 10–6–4	Towson	10.00	**10.20**	7.00	**6.71**	3.00	**3.49**	**.30**	6.00	**6.00**	4.00	**4.70**	718 A
R. H. Slingluff Fertilizer Co., Baltimore, Md.													
Slingluff's 10% Tobacco Bed 10–5–2	Upper Marlboro	10.00	**9.98**	8.50	**8.80**	1.50	**1.18**	**.60**	5.00	**5.50**	2.00	**2.48**	418 A
Slingluffs 10% Tobacco Bed 10–5–2	Baltimore	10.00	**10.04**	8.50	**8.23**	1.50	**1.81**	**.60**	5.00	**5.80**	2.00	**2.25**	430 A
Slingluffs 10% Tobacco Bed 10–5–2	Baltimore	10.00	**9.97**	8.50	**8.29**	1.50	**1.68**	**.60**	5.00	**6.30**	2.00	**2.21**	778 A
Slingluffs Tobacco Bed 6–6–8	Baltimore	6.00	**6.07**	5.10	**4.97**	.90	**1.10**	**.60**	6.00	**6.90**	8.00	**8.36**	359 A
Slingluffs Tobacco Bed 6–6–8	Baltimore	6.00	**6.33**	5.10	**5.34**	.90	**.99**	**.50**	6.00	**6.40**	8.00	**8.60**	212 A
Slingluffs Truck & Potato 4–8–8	Baltimore	4.00	**4.02**	3.40	**3.42**	1.60	**1.60**	**.30**	8.00	**8.40**	8.00	**8.20**	1 B

Slingluffs Truck & Potato 4–8–8	Baltimore	4.00	4.02	2.40	2.42	1.60	1.60	.80	8.00	9.20	8.00	8.24	38 B
Slingluffs High Grade Tobacco 4–8–12	Baltimore	4.00	3.99	3.40	3.55	.60	.44	.30	8.00	8.50	12.00	12.70	76 A
Slingluffs Big & Bright Tobacco 4–8–5	Baltimore	4.00	3.97	3.40	3.40	.60	.57	.30	8.00	8.00	5.00	5.40	254 B
†Slingluffs 3–12–6	Baltimore	3.00	2.98	1.80	1.90	1.20	1.08	1.40	12.00	12.10	6.00	6.32	99 B
†Slingluffs Champion 2–9–5	Faulkner	2.00	2.05	1.20	1.15	.80	.90	.90	9.00	9.20	5.00	5.04	627 B
†Slingluffs Southern Maryland Tobacco 2–8–10	Baltimore	2.00	1.97	1.50	1.46	.50	.51	.30	8.00	9.50	10.00	9.99	290 B
Slingluffs Superphosphate 0–20–0	Baltimore							1.30	20.00	20.50			
†Slingluffs Superphosphate 0–16–0	Faulkner							1.20	16.00	17.70			
Soil Service, Rehoboth, Del.													
Soil Service 6–6–5	Denton	6.00	5.08		.45	6.00	4.63	.50	6.00	7.70	5.00	5.38	399 B
Soil Service 4–8–10	Denton	4.00	2.13		.17	4.00	1.96	.60	8.00	13.00	10.00	8.74	292 B
Scil Service 2–8–10	Denton	2.00	1.07		.11	2.00	.96	.30	8.00	6.80	10.00	11.60	738 B
Soil Service 0–10–10	Denton							.40	10.00	9.20	10.00	11.80	
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md.													
†Standard 6–8–6	Pocomoke City	6.00	5.76	4.80	4.70	1.20	1.06	.90	8.00	9.80	6.00	6.36	356 A
Standard 6–6–5	Sykesville	6.00	5.70					.80	6.00	6.90	5.00	5.30	
Standard 6–6–5	Reisterstown	6.00	6.04					.70	6.00	6.30	5.00	5.35	
Standard 6–6–5	Loch Raven	6.00	5.88					.70	6.00	7.20	5.00	5.50	
Standard 6–6–5	Cheltenham	6.00	5.69					.90	6.00	7.60	5.00	5.56	
Standard 6–6–5	Catonsville	6.00	6.06					.90	6.00	6.70	5.00	5.60	
Standard 6–6–5	Jessups	6.00	5.96					.80	6.00	7.00	5.00	5.40	
Standard 6–6–5	Breathedsville	6.00	5.94					.90	6.00	7.60	5.00	7.37	
Standard 5–10–5	Loch Raven	5.00	4.98					.60	10.00	11.00	5.00	6.00	
Standard 5–10–5	Breathedsville	5.00	5.03					.90	10.00	12.50	5.00	5.67	
Standard 5–8–12	Breathedsville	5.00	5.01					.70	8.00	9.30	12.00	12.32	
Standard 5–8–12	Catonsville	5.00	5.11					.70	8.00	8.70	12.00	13.04	
Standard 4–8–8	Sykesville	4.00	4.03					.80	8.00	8.80	8.00	8.24	
Standard 4–8–8	Reisterstown	4.00	4.02					.80	8.00	8.40	8.00	8.24	
Standard 4–8–8	Cheltenham	4.00	4.13					.90	8.00	9.10	8.00	8.24	
Standard 4–8–8	Baltimore	4.00	4.13	3.20	3.30	.80	.83	.80	8.00	8.50	8.00	8.38	225 A
Standard 4–8–8	Jessups	4.00	4.10					.90	8.00	8.10	8.00	8.00	
Standard 4–8–8	Breathedsville	4.00	4.04					.80	8.00	8.50	8.00	8.40	
Standard 3–12–6	Loch Raven	3.00	3.13					.90	12.00	12.00	6.00	6.68	
Standard 3–12–6	Jessups	3.00	3.14					.90	12.00	12.05	6.00	6.44	
Standard 3–8–15	Catonsville	3.00	3.26					.80	8.00	9.20	15.00	14.72	
Standard 2–12–6	Sykesville	2.00	2.08					1.30	12.00	12.70	6.00	6.32	
Standard 2–12–6	Reisterstown	2.00	2.09					.60	12.00	12.00	6.00	6.60	
Standard 2–12–6	Cheltenham	2.00	2.29					1.50	12.00	12.50	6.00	6.21	

† Sampled before registration.

* Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Standard Wholesale Phosphate & Acid Works, Inc., Baltimore, Md., (Cont.)													
Standard 2–12–6	Baltimore	2.00	**2.05**	1.60	**1.80**	.40	.25	**1.40**	12.00	**12.90**	6.00	**6.24**	138 A
Standard 2–8–10	Cheltenham	2.00	**2.58**					**1.40**	8.00	**9.30**	10.00	**10.08**	
Standard 2–8–10	Baltimore	2.00	**1.97**	1.60	**1.67**	.40	.30	.50	8.00	**9.00**	10.00	**10.16**	42 A
Standard 0–14–6	Catonsville							.60	14.00	**14.50**	6.00	**6.21**	
Standard Superphosphate 0–20–0	Baltimore							.60	20.00	**20.40**			
Standard Superphosphate 0–20–0	Reisterstown							.60	20.00	**20.50**			
†Kainit 0–0–20	Loch Raven										20.00	**19.70**	
Swift & Co., Fertilizer Works, Baltimore, Md.													
Swift's Red Steer Tobacco Grower 10–5–2	Clinton	10.00	**9.98**	8.00	**7.98**	2.00	**2.00**	.40	5.00	**5.40**	2.00	**2.40**	342 A
Swift's Red Steer Tobacco Grower 10–5–2	Baltimore	10.00	**9.85**	8.00	**7.94**	2.00	**1.91**	.30	5.00	**5.70**	2.00	**2.34**	358 A
Swift's Red Steer Tobacco Grower 8–5–2	Baltimore	8.00	**8.02**	6.40	**6.60**	1.60	**1.42**	.40	5.00	**5.50**	2.00	**2.57**	132 A
Swift's Red Steer Tobacco Grower 8–5–2	Baltimore	8.00	**7.95**	6.40	**6.50**	1.60	**1.45**	.40	5.00	**5.60**	2.00	**2.70**	100 A
Swift's Red Steer 6–8–6	Baltimore	6.00	**5.96**	5.10	**4.60**	.90	**1.36**	.60	8.00	**8.60**	6.00	**6.40**	15 B
Swift's Red Steer Tobacco Grower 6–6–8	Baltimore	6.00	**5.95**	4.50	**4.69**	1.50	**1.26**	.50	6.00	**6.60**	8.00	**8.30**	11 A
Swift's Red Steer 6–6–5	Baltimore	6.00	**6.04**	4.50	**4.42**	1.50	**1.62**	**1.20**	6.00	**6.00**	5.00	**5.04**	105 B
Swift's N/eL 6–6–5	Salisbury	6.00	**5.70**	4.50	**4.64**	1.50	**1.06**	.60	6.00	**6.80**	5.00	**5.20**	55 B
Swift's Red Steer 5–8–12	Baltimore	5.00	**4.83**	3.75	**3.87**	1.25	.96	.90	8.00	**9.80**	12.00	**12.88**	38 B
Swift's Red Steer 5–8–12	Baltimore	5.00	**5.00**	3.75	**4.09**	1.25	.91	.60	8.00	**9.20**	12.00	**12.10**	59 B
†Swift's N/eL Tobacco Grower 4–8–12	Annapolis	4.00	**4.04**	3.00	**3.10**	1.00	.94	.70	8.00	**8.50**	12.00	**11.90**	51 B
Swift's Red Steer Tobacco Grower 4–8–10	Annapolis	4.00	**3.65**	3.00	**2.65**	1.00	**1.00**	.80	8.00	**8.90**	10.00	**10.44**	32 B
Swift's Red Steer Tobacco Grower 4–8–10	Baltimore	4.00	**3.99**	3.00	**3.36**	1.00	.63	.80	8.00	**8.80**	10.00	**10.24**	290 B
Swift's Red Steer 4–8–10	Baltimore	4.00	**3.89**	3.00	**2.99**	1.00	.90	.70	8.00	**9.00**	10.00	**10.24**	46 B
†Swift's Red Steer 4–8–10	Salisbury	4.00	**3.89**	3.00	**2.89**	1.00	**1.00**	**1.00**	8.00	**8.70**	10.00	**10.40**	68 B
Swift's N/eL 4–8–8	Salisbury	4.00	**3.86**	3.00	**3.01**	1.00	.85	.60	8.00	**9.10**	8.00	**8.24**	20 B
Swift's N/eL 4–8–8	Laurel	4.00	**4.16**	3.00	**3.54**	1.00	.62	.70	8.00	**9.80**	8.00	**8.24**	54 A
Swift's Red Steer 4–8–8	Baltimore	4.00	**3.96**	3.00	**3.11**	1.00	.85	.50	8.00	**8.70**	8.00	**8.84**	120 B
Swift's Red Steer 4–8–8	Baltimore	4.00	**3.97**	3.00	**3.15**	1.00	.82	.80	8.00	**8.20**	8.00	**9.00**	110 B
Swift's Red Steer 4–8–8	Laurel	4.00	**3.85**	3.00	**3.16**	1.00	.69	.70	8.00	**8.60**	8.00	**8.54**	78 B
Swift's Red Steer 4–8–8	Laurel	4.00	**3.88**	3.00	**3.02**	1.00	.86	.70	8.00	**8.60**	8.00	**9.16**	156 B
Swift's Red Steer Tobacco Grower 4–8–7	Baltimore	4.00	**3.86**	3.00	**3.05**	1.00	.81	.60	8.00	**8.90**	7.00	**8.08**	80 B

Swift's Red Steer Tobacco Grower 4–8–7	Baltimore	4.00	**3.86**	3.00	**3.05**	1.00	.81	.60	8.00	**8.90**	7.00	**8.08**	80 B
Swift's Red Steer 3–12–6	Baltimore	3.00	**3.12**	2.40	**2.54**	.60	.58	**1.00**	12.00	**12.80**	6.00	**6.21**	46 B
Swift's Red Steer 2–9–5	Clinton	2.00	**1.97**	1.50	**1.24**	.50	.73	.60	9.00	**9.00**	5.00	**5.04**	58 B
Swift's Red Steer 2–9–5	Laurel	2.00	**2.01**	1.50	**1.43**	.50	.58	.90	9.00	**11.70**	5.00	**5.24**	238 B
Swift's Red Steer 2–9–5	Reisterstown	2.00	**2.06**	1.50	**1.39**	.50	.67	.80	9.00	**9.50**	5.00	**5.20**	38 B
Swift's Red Steer 2–9–5	Laurel	2.00	**1.99**	1.50	**1.36**	.50	.63	**1.00**	9.00	**9.30**	5.00	**5.82**	4 A
Swift's Red Steer 2–8–10	Baltimore	2.00	**2.01**	1.50	**1.46**	.50	.55	.60	8.00	**8.80**	10.00	**10.68**	96 B
Swift's Red Steer 2–8–10	Hagerstown	2.00	**1.97**	1.50	**1.41**	.50	.56	.60	8.00	**8.80**	10.00	**10.54**	118 B
†Ground Dried Blood 12–0–0	Owings	12.00	**13.26**										
Bone Meal Fertilizer 2.47–T.P.A. 23–0	Clinton	2.47	**2.53**						*23.00	*27.60			
Bone Meal Fertilizer 2.47–T.P.A. 23-0	Baltimore	2.47	**2.36**						*23.00	*26.30			
Swift's Sheep Manure 1.85–T.P.A. 1–1.75	Hagerstown	1.85	**2.13**						*1.00	*1.60	1.75	**3.42**	
†Swift's Pulverized Cattle Manure 1.85–T.P.A. .75–1.50	Hagerstown	1.85	**2.15**						*.75	*1.60	1.50	**2.65**	
Swift's Red Steer 0–12–5	Baltimore							.80	12.00	12.10	12.00	**12.50**	
Kainit 0–0–20	Salisbury										20.00	**20.80**	
Tennessee Corporation, Lockland, Ohio													
Loma 5–10–4	Baltimore	5.00	**4.97**	4.00	**4.21**	1.00	.76	**1.00**	10.00	**10.10**	4.00	**4.12**	
Thomas & Co., Gaithersburg, Md.													
Pea Mixture 5–10–5	Gaithersburg	5.00	**4.07**	4.00	**3.90**	1.00	.17	.90	10.00	**11.30**	5.00	**6.13**	125 A
Sure Crop 2–12–6	Gaithersburg	2.00	**2.20**	1.80	**1.92**	.20	.28	.80	12.00	**13.00**	6.00	**5.98**	7 A
Wheat & Grass Grower 2–9–5	Gaithersburg	2.00	**2.05**	1.80	**1.83**	.20	.22	**1.60**	9.00	**9.00**	5.00	**5.44**	377 B
Harvest Queen 1–10–5	Gaithersburg	1.00	**1.21**	.80	**1.01**	.20	.20	**1.50**	10.00	**10.00**	5.00	**4.98**	430 B
†Superphosphate 0–20–0	Derwood							.60	20.00	**20.70**			
Superphosphate 0–16–0	Gaithersburg							**3.50**	16.00	**14.30**			
Wm. B. Tilghman Co., Salisbury, Md.													
Tilghman's Potato Mixture 7–7–7	Salisbury	7.00	**6.98**	4.90	**5.15**	2.10	**1.83**	.40	7.00	**7.40**	7.00	**7.60**	275 A
Tilghman's Potato Mixture 7–7–7	Salisbury	7.00	**6.96**	4.90	**5.19**	2.10	**1.77**	.50	7.00	**7.60**	7.00	**7.06**	237 A
Tilghman's Special 6–8–6	Salisbury	6.00	**6.28**	4.20	**4.44**	1.80	**1.84**	.50	8.00	**9.00**	6.00	**6.85**	365 A
Tilghman's Special 6–8–6	Salisbury	6.00	**6.05**	4.20	**4.33**	1.80	**1.72**	.40	8.00	**8.40**	6.00	**6.29**	152 A
Tilghman's Q. Brand 6–6–5	Salisbury	6.00	**5.98**	3.60	**4.16**	2.40	**1.82**	.50	6.00	**6.30**	5.00	**5.60**	72 A
Tilghman's Q. Brand 6–6–5	Baltimore	6.00	**6.01**	3.60	**4.08**	2.40	**1.93**	.50	6.00	**7.30**	5.00	**5.50**	6 B
Tilghman's Irish P. Guano 6–6–5	Salisbury	6.00	**6.14**	4.20	**4.35**	1.80	**1.79**	.50	6.00	**6.90**	5.00	**5.42**	98 A
Tilghman's Irish P. Guano 6–6–5	Salisbury	6.00	**6.74**	4.20	**4.63**	1.80	**2.11**	.40	6.00	**6.90**	5.00	**6.75**	197 A
Tilghman's Standard 5–8–12	Salisbury	5.00	**4.98**	4.00	**3.76**	1.00	**1.22**	.30	8.00	**8.70**	12.00	**12.64**	92 A
Tilghman's Standard 5–8–12	Salisbury	5.00	**5.12**	4.00	**3.82**	1.00	**1.30**	.40	8.00	**8.60**	12.00	**12.40**	29 A
Tilghman's Early Truck 5–8–7	Salisbury	5.00	**5.03**	4.00	**4.02**	1.00	**1.01**	.40	8.00	**8.80**	7.00	**7.46**	176 A
Tilghman's Early Truck 5–8–7	Salisbury	5.00	**5.17**	4.00	**4.27**	1.00	.90	.60	8.00	**8.10**	7.00	**6.98**	87 A
Tighman's Tomato Mixture 4–8–10	Salisbury	4.00	**4.14**	3.20	**3.17**	.80	.97	.50	8.00	**8.40**	10.00	**10.16**	77 A
Tilghman's Tomato Mixture 4–8–10	Salisbury	4.00	**4.11**	3.20	**3.27**	.80	.84	.70	8.00	**8.40**	10.00	**10.00**	142 A

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Wm. B. Tilghman Co., Salisbury, Md. (Continued)													
Tilghman's Special 4–8–8	Federalsburg	4.00	**4.13**	3.20	**3.09**	.80	**1.04**	**.60**	8.00	**8.00**	8.00	**8.08**	59 A
Tilghman's Melon Mixture 4–8–7	Federalsburg	4.00	**4.07**	2.40	**3.09**	1.60	**.98**	**.30**	8.00	**9.10**	7.00	**7.56**	21 B
Tilghman's Melon Mixture 4–8–7	Salisbury	4.00	**4.21**	2.40	**3.19**	1.60	**1.02**	**.40**	8.00	**8.90**	7.00	**7.70**	56 A
†Tilghman's Special 4–8–5	Hurlock	4.00	**4.18**	3.20	**3.09**	.80	**1.09**	**.60**	8.00	**9.30**	5.00	**5.30**	11 A
Tilghman's Special 4–8–5	Salisbury	4.00	**4.21**	3.20	**3.14**	.80	**1.07**	**.50**	8.00	**9.30**	5.00	**5.42**	11 B
†Tilghman's Sweet Potato Mix. 3–18–15	Salisbury	3.00	**3.13**	2.40	**2.04**	.60	**1.09**	**.20**	8.00	**8.70**	15.00	**15.52**	93 A
Tilghman's Mixture B. 3–8–10	Salisbury	3.00	**3.30**	2.40	**2.25**	.60	**1.05**	**.40**	8.00	**9.00**	10.00	**11.00**	4 A
Tilghman's Mixture B. 3–8–10	Federalsburg	3.00	**3.40**	2.40	**2.53**	.60	**.87**	**.40**	8.00	**9.10**	10.00	**10.00**	23 B
Tilghman's S. P. 2–8–10	Salisbury	2.00	**2.40**	1.60	**1.77**	.40	**.63**	**.50**	8.00	**8.70**	10.00	**10.24**	205 B
F. W. Tunnell & Co., Inc., Philadelphia, Pa.													
Tunnell's 6–6–5 Fertilizer	Queen Anne	6.00	**6.07**	3.60	**3.86**	2.40	**2.21**	**.80**	6.00	**6.70**	5.00	**5.52**	75 A
Tunnell's 4–12–4 Fertilizer	Queen Anne	4.00	**4.18**	2.80	**2.94**	1.20	**1.24**	**1.10**	12.00	**12.40**	4.00	**4.34**	95 A
Tunnell's 4–8–10 Fertilizer	Queen Anne	4.00	**4.17**	2.40	**2.75**	1.60	**1.42**	**.80**	8.00	**8.40**	10.00	**12.40**	67 A
Tunnell's 4–8–8 Fertilizer	Millington	4.00	**4.02**	2.80	**2.89**	1.20	**1.13**	**.90**	8.00	**8.50**	8.00	**8.24**	4 A
Tunnell's 3–12–6 Fertilizer	Queen Anne	3.00	**3.14**	2.00	**1.97**	1.00	**1.17**	**.90**	12.00	**12.40**	6.00	**6.50**	62 A
Tunnell's 2–12–6 Fertilizer	Queen Anne	2.00	**2.05**	1.33	**1.38**	.67	**.67**	**.70**	12.00	**12.30**	6.00	**6.40**	68 A
Tunnell's 2–8–10 Fertilizer	Queen Anne	2.00	**2.08**	1.33	**1.46**	.67	**.62**	**1.20**	8.00	**8.90**	10.00	**10.32**	23 B
†Raw Ground Bone 3.70–T.P.A. 21.50–0	Queen Anne	3.70	**4.00**	.....	.....	.....	.....	.....	*21.50	*20.90	.....	.....	.....
†Tunnell's 0–12–12 Fertilizer	Queen Anne	.....	.....	.....	.....	.....	.....	**.70**	12.00	**12.80**	12.00	**12.26**	.....
Superphosphate 0–20–0	Queen Anne	.....	.....	.....	.....	.....	.....	**.90**	20.00	**20.80**	.....	.....	.....
†Superphosphate 0–16–0	Queen Anne	.....	.....	.....	.....	.....	.....	**.40**	16.00	**16.70**	.....	.....	.....
Valliant Fertilizer Co., Laurel, Del.													
On Top 7–5–4	Salisbury	7.00	**7.08**	7.00	**7.08**	.....	.....	**.40**	5.00	**5.30**	4.00	**4.22**	116 B
Jewel 6–6–5	Salisbury	6.00	**5.38**	4.20	**3.65**	1.80	**1.73**	**.60**	6.00	**7.20**	5.00	**5.90**	66 B
Ideal 5–8–12	Salisbury	5.00	**5.81**	3.00	**3.66**	2.00	**2.15**	**.40**	8.00	**9.60**	12.00	**9.94**	135 B

Ideal 5–8–12	Salisbury	5.00	5.81	3.00	3.66	2.00	2.15	.40	8.00	9.60	12.00	9.94	135 B
Champion 4–8–7	Salisbury	4.00	4.03	3.00	2.84	1.00	1.19	.70	8.00	8.20	7.00	7.22	211 B
Arcadia 4–8–5	Salisbury	4.00	3.97	3.00	3.61	1.00	.36	.60	8.00	8.30	5.00	7.22	156 B
E. S. Valliant & Son, Centreville, Md.													
Booster 6–6–5	Kennedyville	6.00	5.95	4.75	4.09	1.25	1.86	.60	6.00	6.50	5.00	5.35	16 B
Booster 6–6–5	Centreville	6.00	6.15	4.75	4.65	1.25	1.50	1.00	6.00	6.00	5.00	5.50	27 B
†Truck Special 5–8–12	Centreville	5.00	4.91	3.25	3.23	1.75	1.68	.50	8.00	8.20	12.00	12.10	236 B
Harmony 4–8–7	Centreville	4.00	3.79	3.50	2.67	.50	1.12	.70	8.00	8.70	7.00	7.53	220 B
†Standard 4–8–5	Centreville	4.00	3.77	3.70	3.37	.30	.40	.90	8.00	8.70	5.00	6.29	115 B
Favorite 3–8–10	Centreville	3.00	3.00	2.70	1.90	.30	1.10	.50	8.00	9.50	10.00	10.00	184 B
Keystone 2–9–5	Centreville	2.00	1.98	1.70	1.73	.30	.25	1.00	9.00	8.70	5.00	5.40	176 B
Winner 2–8–10	Centreville	2.00	2.19	1.70	1.71	.30	.48	.90	8.00	8.50	10.00	10.48	92 B
Grower 0–10–10	Kennedyville							1.00	10.00	10.50	10.00	11.20	
Grower 0–10–10	Centreville							.80	10.00	10.20	10.00	10.40	
Virginia-Carolina Chemical Corp., Baltimore, Md.													
V-C 6–8–6 Fertilizer	Baltimore	6.00	5.69	3.00	3.09	3.00	2.60	.50	8.00	8.60	6.00	6.36	108 B
V-C 6–8–6 Fertilizer	Baltimore	6.00	5.48	3.00	2.74	3.00	2.74	.50	8.00	8.60	6.00	9.16	75 B
V-C 6–6–8 Fertilizer (Sulphate)	Baltimore	6.00	5.97	3.60	3.66	2.40	2.31	.30	6.00	6.40	8.00	8.24	7 A
V-C 6% Truck Fertilizer 6–6–5	Baltimore	6.00	5.97	3.60	3.61	2.40	2.36	.50	6.00	6.60	5.00	5.50	82 A
V-C 6% Truck Fertilizer 6–6–5	Baltimore	6.00	5.98	3.60	3.45	2.40	2.53	.30	6.00	6.60	5.00	5.60	62 B
V-C 6% Truck Fertilizer 6–6–5	Preston	6.00	5.86	3.60	3.75	2.40	2.11	.40	6.00	6.40	5.00	5.42	35 B
V-C 6% Truck Fertilizer 6–6–5	Baltimore	6.00	5.80	3.60	3.43	2.40	2.37	.50	6.00	6.60	5.00	5.67	54 B
V-C 6% Truck Fertilizer 6–6–5	Baltimore	6.00	5.97	3.60	3.55	2.40	2.42	.60	6.00	6.20	5.00	5.35	45 B
V-C 5–8–12 Fertilizer	Baltimore	5.00	5.12	3.75	3.48	1.25	1.64	.60	8.00	8.40	12.00	12.25	45 B
V-C 5–8–12 Fertilizer	Baltimore	5.00	5.06	3.75	4.14	1.25	.92	.50	8.00	8.80	12.00	12.70	70 A
V-C 5–8–12 Fertilizer	Baltimore	5.00	4.69	3.75	3.38	1.25	1.31	.60	8.00	8.50	12.00	12.40	31 B
V-C 5–8–12 Fertilizer	Baltimore	5.00	4.80	3.75	3.40	1.25	1.40	.50	8.00	8.50	12.00	12.30	80 B
V-C 4–8–10 Fertilizer	Baltimore	4.00	4.00	3.00	2.46	1.00	1.54	.50	8.00	8.60	10.00	10.44	35 A
V-C 4–8–10 Fertilizer	Baltimore	4.00	3.97	3.00	2.81	1.00	1.16	.40	8.00	8.70	10.00	10.32	42 B
V-C 4–8–10 Fertilizer	Baltimore	4.00	3.89	3.00	2.50	1.00	1.39	.40	8.00	8.00	10.00	10.60	65 B
V-C 4–8–10 Fertilizer	Baltimore	4.00	3.97	3.00	2.86	1.00	1.11	.40	8.00	8.40	10.00	10.48	52 B
V-C 4–8–8 Fertilizer	Baltimore	4.00	3.97	3.00	2.48	1.00	1.49	.60	8.00	8.00	8.00	8.24	176 B
V-C 4–8–8 Fertilizer	Baltimore	4.00	4.00	3.00	2.72	1.00	1.28	.50	8.00	8.40	8.00	8.80	58 B
V-C 4–8–8 Fertilizer	Baltimore	4.00	3.96	3.00	2.76	1.00	1.20	.60	8.00	8.50	8.00	8.50	97 B
V-C 4–8–8 Fertilizer	Baltimore	4.00	4.00	3.00	2.68	1.00	1.32	.60	8.00	8.40	8.00	9.00	54 B
V-C 3–12–6 Fertilizer	Baltimore	3.00	2.91	2.25	1.85	.75	1.06	.70	12.00	12.60	6.00	6.05	61 B
V-C 3–8–10 Fertilizer	Baltimore	3.00	2.92	2.25	1.94	.75	.98	.40	8.00	8.80	10.00	10.50	90 B
V-C 2–12–6 Fertilizer	Baltimore	2.00	1.97	1.50	1.50	.50	.47	.90	12.00	12.30	6.00	6.45	10 A
V-C 2–12–6 Fertilizer	Baltimore	2.00	1.98	1.50	1.52	.50	.46	.90	12.00	12.30	6.00	6.40	39 B
V-C Fish & Potash Mixture 2–9–5	Baltimore	2.00	2.04	1.50	1.40	.50	.64	.50	9.00	9.40	5.00	5.38	35 A

† Sampled before registration. * Total Phosphoric Acid.

Manufacturer and Brand Name	Place of Sampling	NITROGEN (N)						PHOSPHORIC ACID (P_2O_5)			POTASH (K_2O)		Acidity A Basicity B
		Total		Mineral		Organic		Insoluble	Available				
		Guaranteed	FOUND	Declared	FOUND	Declared	FOUND	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Virginia-Carolina Chemical Corp., Baltimore, Md., (Continued.)													
V-C Fish & Potash Mixture 2–9–5	Baltimore	2.00	**1.97**	1.50	**1.40**	.50	**.57**	**.60**	9.00	**9.50**	5.00	**5.28**	38 B
V-C Fish & Potash Mixture 2–9–5	Baltimore	2.00	**1.99**	1.50	**1.38**	.50	**.61**	**.50**	9.00	**9.30**	5.00	**5.35**	50 B
V-C 2–8–10 Fertilizer	Baltimore	2.00	**1.98**	1.50	**1.46**	.50	**.52**	**.50**	8.00	**8.50**	10.00	**10.40**	70 B
V-C Superphosphate 0–20–0	Baltimore							**1.00**	20.00	**21.40**			
Westminster Fertilizer Co., Westminster, Md.													
Westminster 4–8–8	Westminster	4.00	**4.00**	3.25	**3.03**	.75	**.97**	**.30**	8.00	**9.50**	8.00	**9.50**	17 A
Westminster 2–12–6	Westminster	2.00	**1.99**	1.40	**1.36**	.60	**.63**	**.60**	12.00	**12.40**	6.00	**7.70**	53 A
Westminster 2–9–5	Westminster	2.00	**2.36**	1.40	**2.06**	.60	**.30**	**.40**	9.00	**10.50**	5.00	**6.21**	60 B
†Westminster Superphosphate 0–20–0	Westminster							**.30**	20.00	**20.80**			
Westminster Superphosphate 0–16–0	Westminster							**.60**	16.00	**17.10**			
A. S. Woolley Co., Inc., Seaford, Del.													
Woolley's Better Crop 6–6–5		6.00	**6.25**	4.20	**4.63**	1.20	**1.62**	**.60**	6.00	**7.40**	5.00	**5.20**	105 A
Woolley's Better Crop 5–8–12		5.00	**5.05**	4.00	**3.09**	1.00	**1.96**	**.60**	8.00	**9.20**	12.00	**12.26**	112 A
Woolley's Better Crop 4–8–5		4.00	**4.17**	3.20	**3.51**	.80	**.66**	**.40**	8.00	**9.00**	5.00	**4.81**	105 B
Woolley's Better Crop 2–8–10		2.00	**2.20**	1.60	**2.03**	.40	**.17**	**.20**	8.00	**9.10**	10.00	**9.98**	230 B
Wm. W. Woolston, Towson, Md.													
†4–8–7	Baltimore	4.00	**3.88**	2.50	**2.61**	1.50	**1.27**	**1.10**	8.00	**8.10**	7.00	**7.20**	95 B
The Worcester Fertilizer Co., Snow Hill, Md.													
Worcester's "King Twenty" 6–8–6	Snow Hill	6.00	**5.56**	4.20	**3.89**	1.80	**1.67**	**.50**	8.00	**9.70**	6.00	**6.75**	287 A
Worcester's "King Twenty" 6–8–6	Snow Hill	6.00	**6.44**	4.20	**4.35**	1.80	**2.09**	**.80**	8.00	**8.10**	6.00	**6.24**	468 A
Worcester's "King Twenty" 6–8–6	Pocomoke City	6.00	**5.97**	4.20	**4.26**	1.80	**1.71**	**.80**	8.00	**8.60**	6.00	**6.44**	311 A
Worcester's "Commander" 6–6–5	Princess Anne	6.00	**5.97**	4.20	**4.27**	1.80	**1.70**	**.40**	6.00	**7.60**	5.00	**5.04**	340 A
Worcester's "Commander" 6–6–5	Snow Hill	6.00	**6.01**	4.20	**4.49**	1.80	**1.52**	**.60**	6.00	**6.50**	5.00	**5.50**	277 A
Worcester's "Commander" 6–6–5	Pocomoke City	6.00	**6.04**	4.20	**4.51**	1.80	**1.53**	**.60**	6.00	**6.60**	5.00	**5.35**	328 A
Worcester's "Commander" 6–6–5	Princess Anne	6.00	**5.98**	4.20	**4.18**	1.80	**1.80**	**.50**	6.00	**6.70**	5.00	**4.98**	312 A

Worcester's "Commander" 6–6–5	Princess Anne	6.00	**5.98**	4.20	**4.18**	1.80	**1.80**	.50	6.00	**6.70**	5.00	**4.98**	312 A
Worcester's Correct Plant Food Mixture 5–10–5	Snow Hill	5.00	**5.25**	3.50	**3.77**	1.50	**1.48**	.40	10.00	**11.20**	5.00	**5.52**	363 A
Worcester's Correct Plant Food Mixture 5–10–5	Princess Anne	5.00	**4.89**	3.50	**3.25**	1.50	**1.64**	.60	10.00	**11.40**	5.00	**4.98**	157 A
†Worcester's Correct Plant Food Mixture 5–10–5	Pocomoke City	5.00	**4.98**	3.50	**3.46**	1.50	**1.52**	.80	10.00	**10.20**	5.00	**5.20**	186 A
Worcester's "Gold Crown" 5–8–12	Snow Hill	5.00	**5.12**	3.50	**3.45**	1.50	**1.67**	.50	8.00	**8.00**	12.00	**12.60**	197 A
Worcester's "Gold Crown" 5–8–12	Princess Anne	5.00	**5.32**	3.50	**3.54**	1.50	**1.78**	.30	8.00	**9.50**	12.00	**12.40**	274 A
Worcester's "Red Ripe" 4–8–10	Snow Hill	4.00	**3.82**	2.80	**2.60**	1.20	**1.22**	.50	8.00	**8.00**	10.00	**10.70**	5 A
Worcester's "Red Ripe" 4–8–10	Princess Anne	4.00	**4.24**	2.80	**2.92**	1.20	**1.32**	.70	8.00	**8.40**	10.00	**10.32**	34 B
Worcester's "Early Trucker" 4–8–8	Snow Hill	4.00	**3.82**	2.80	**2.85**	1.20	**.97**	.30	8.00	**8.00**	8.00	**8.08**	90 A
Worcester's "Early Trucker" 4–8–8	Princess Anne	4.00	**4.02**	2.80	**2.94**	1.20	**1.08**	1.80	8.00	**8.20**	8.00	**9.48**	80 A
†Worcester's Correct Plant Food Mixture 3–12–6	Snow Hill	3.00	**3.38**	2.40	**2.49**	.60	**.89**	1.00	12.00	**12.10**	6.00	**6.62**	84 A

† Sampled before registration.

REPORT OF THE INSPECTION OF COMMERCIAL LEGUME INOCULANTS BY THE DEPARTMENT OF BACTERIOLOGY

Leguminous plants are generally characterized by the presence of nodules produced by the invasion of the root tissue by certain bacteria. This invasion, by root nodulebacteria, results in a plant bacteria symbiosis which converts atmospheric nitrogen into a form of nitrogen available to plants. Consequently legumes are able to produce good yields in soils poor in nitrogen. Furthermore, if such a plant is used as green manure it increases the nitrogen content of the soil by the amount of nitrogen fixed.

The success of the production of nodules on plants is dependent on a number of factors such as, the variety of legume to be grown, the species of root nodule bacteria, the viability of the culture, the ability of the culture to fix nitrogen and the environmental and soil conditions.

Legumes are classified in several plant bacteria groups according to the species of root nodule bacteria capable of producing nodules. From an agricultural standpoint the following major groups are recognized:

1. Alfalfa, sweet clover.
2. Red, crimson, mammoth, alsike, wild white clover.
3. Peas, vetches, sweet peas.
4. Navy beans, Kidney beans, string beans, wax beans.
5. Soybeans.
6. Cowpeas, lima beans, velvet beans, peanuts and numerous other legumes.

The State Inspection Service is charged with the duty of testing all commercial legume inoculants sold or offered for sale in the State of Maryland. The following table is a summary of the laboratory and greenhouse tests made on commercial legume inoculants for 1940. The procedure followed was described in a previous report. (See Official Report of Maryland State Inspection Service No. 171, August 1939).

TABLE I.—SUMMARY OF LABORATORY AND GREENHOUSE TESTS ON LEGUME INOCULANTS†

Brand	Name and Address of Manufacturer	Type of Culture	Crops	Inoculation	Bacteria per gram of dry materials (Millions)	Date of expiration and date of test
Legume–Aid	**Agricultural Laboratories, Inc., Columbus, Ohio**	Humus	Cowpea group	Satisfactory	1,680	12– 9–40 4–20–40
Nitragin Culture A	**The Nitragin Co., Inc., Milwaukee, Wis.**	Humus	Alfalfa and Sweet Clover gp.	Satisfactory	2,700	12–31–40 4–20–40
Trinity	**Belt Seed Company Baltimore, Maryland**	Humus	Clover group	Satisfactory	5,580	12– –40 4–20–40
Nod-O-Gen	**Albert Dickinson Company Chicago, Illinois**	Humus	Soybeans	Satisfactory	5,800	12– –40 4–20–40
Humus Inoculator	**Hansen Inoculator Co., Inc., Urbana, Illinois**	Humus	Alfalfa and Sweet Clover gp.	Satisfactory	1,690	12–31–40 4–20–40
Superyield	**Superyield Laboratories Baltimore, Maryland**	Agar	Pea Group	Unsatisfactory	*24,000	Not given 4–20–40

† Only one sample of each brand was tested.
* Millions per bottle.

FEED ANALYSES

Pages immediately following contain results obtained on all samples of general feeds, dog feeds, mineral mixtures.

Feeds are considered seriously deficient with respect to chemical guarantees when they are one per cent or more deficient in protein, or one-half of one per cent deficient in fat.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Albers Brothers Milling Co., Seattle, Wash.	
Proven Calf Manna	Baltimore
E. T. Allen Co., Atlanta, Ga.	
Empire 41% Protein Cottonseed Meal	Westminster
‡Atlas—36% Protein Cottonseed Meal, Prime Quality	Washington Grove
G. A. Allender, Elkton, Md.	
32% Dairy Feed	Elkton
24% Dairy Feed	Elkton
16% Dairy Feed	Elkton
Dandy Laying Mash	Elkton
Dandy Scratch Feed	Elkton
Allied Mills, Inc., Chicago, Ill.	
‡44% Protein Soybean Oil Meal (Expeller Process)	Princess Anne
Super Soy	Cumberland
‡Brewer's Dried Grains	Gaithersburg
Amco 32% Supplement Dairy Feed	Bel Air
Wayne 32% Dairy Feed	Salisbury
Wayne 32% Dairy Feed	Westminster
Wayne 24% Dairy Feed	Cumberland
Sugarine 20% Dairy Feed	Cumberland
Sugarine 16½% Dairy Feed	Maugansville
Ideal 16% Dairy Feed	Bel Air
Topper 16% Dairy Feed	Cumberland
Wayne Laying Mash, with Fortified Sardine Oil	Gaithersburg
Wayne Egg & Breeder Mash, with Fortified Sardine Oil	Federalsburg
Wayne Egg & Breeder Mash, with Fortified Sardine Oil	Maugansville
Wayne Egg & Breeder Mash	Maugansville
‡Amco 26% Mash Supplement, with Fortified Sardine Oil	Bel Air
Amco Tip Top Mash	Bel Air
Topper Poultry Mash, with Fortified Sardine Oil	Federalsburg
‡Wayne Poultry Developer, with Fortified Sardine Oil	Cumberland
Wayne All Mash Poultry Ration	Maugansville
Wayne Flushing Mash	Maugansville
Wayne Fitting Ration	Maugansville
Wayne Broiler Mash	Federalsburg
Wayne Broiler Mash	Maugansville
Amco Super Starting & Growing Mash, with Fortified Sardine Oil	Grantsville
Wayne Starter & Grower, with Fortified Sardine Oil	Gaithersburg
Wayne Chick Starter	Maugansville
Empire Hog Supplement	Reisterstown
Wayne Hog Supplement	Gaithersburg
Wayne Pork Maker	Gaithersburg
‡Amco Pork Producer	Bel Air
Wayne Calf Meal	Gaithersburg
Amco Calf Meal	Bel Air
Wayne Complete Calf Feed	Federalsburg
Wayne Complete Calf Feed	Gaithersburg
‡Wayne Turkey Growing Mash	Cumberland
Wayne Rabbit Feed	Cumberland
Wayne Rabbit Feed	Salisbury

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.70	25.00	26.68	4.00	4.10	5.00	3.29	7.39	50.84	As declared on label
7.68	41.00	40.99	5.50	6.22	13.00	10.94	7.49	26.68	" "
6.34	36.00	37.03	5.00	5.48	16.00	14.73	6.25	30.17	" "
7.21	32.00	35.31	4.00	4.65	9.00	9.37	9.52	33.94	" "
7.65	24.00	26.80	4.00	4.21	11.00	11.82	6.49	43.03	A.
7.48	16.00	20.00	3.00	4.05	12.00	12.26	8.70	47.51	As declared on label
8.55	20.00	21.94	4.00	5.21	9.00	5.49	9.50	49.31	" "
10.40	9.00	9.40	2.50	2.65	5.00	3.10	1.30	73.15	" "
9.23	44.00	46.07	4.00	5.67	6.50	5.92	6.47	26.64	" "
9.42	37.00	41.07	4.00	4.86	6.50	5.17	12.54	26.94	" "
5.15	24.00	30.19	5.00	7.13	18.00	15.10	4.02	38.41	" "
7.16	32.00	35.45	4.00	4.14	9.00	6.78	10.02	36.45	" "
10.59	32.00	33.74	4.00	4.15	9.00	7.30	9.89	34.33	" "
8.32	32.00	34.24	4.00	4.19	9.00	6.84	10.63	35.78	" "
10.37	24.00	24.12	4.00	4.66	9.00	7.18	7.50	46.17	" "
4.33	20.00	22.36	3.50	3.94	12.00	9.88	8.15	51.34	" "
10.76	16.50	18.42	3.00	4.08	12.00	8.94	8.13	49.67	" "
8.13	16.00	19.88	3.00	3.96	12.00	8.26	8.40	51.37	" "
9.18	16.00	17.92	3.00	3.29	15.00	9.97	7.80	51.84	" "
8.54	18.00	19.31	3.50	4.87	8.00	7.03	7.95	52.30	" "
8.55	20.00	20.88	3.50	4.90	8.00	6.50	8.17	51.00	" "
9.53	20.00	20.01	3.50	4.81	8.00	6.93	8.40	50.32	" "
8.52	20.00	20.63	3.50	4.82	8.00	6.86	7.40	51.77	" "
7.72	26.00	28.52	3.50	5.12	10.00	9.41	13.46	35.77	" "
9.16	18.00	19.31	3.50	4.68	8.00	7.21	9.02	50.62	" "
7.79	18.00	19.48	3.50	5.04	10.00	5.90	7.00	54.79	" "
9.86	16.00	17.38	3.50	4.47	7.00	6.68	7.85	53.76	" "
8.96	15.00	15.97	3.50	4.49	7.00	7.47	8.53	54.58	" "
9.39	20.00	20.53	3.00	3.58	6.00	4.07	10.80	51.63	" "
12.07	12.00	14.67	3.50	4.16	9.00	6.70	8.04	54.36	" "
9.06	19.00	19.92	3.50	4.20	8.00	6.46	7.00	53.36	" "
9.00	19.00	19.48	3.50	4.86	8.00	6.78	6.80	53.08	" "
8.88	18.00	19.92	3.50	4.78	7.00	5.16	7.60	53.66	" "
9.65	17.00	18.25	3.50	4.42	7.00	6.31	7.85	53.52	" "
9.47	18.00	18.16	4.00	4.86	7.00	5.98	7.10	54.43	" "
6.80	40.00	42.01	4.00	5.58	7.00	5.86	12.59	27.16	" "
6.86	40.00	41.06	4.00	5.72	7.00	6.53	14.32	25.51	" "
10.05	14.00	14.34	3.50	4.25	7.00	5.70	6.21	59.45	" "
8.45	14.00	18.72	3.50	4.27	7.00	5.75	7.05	55.76	" "
9.10	24.00	26.07	4.00	4.67	7.00	7.39	9.50	43.27	" "
8.68	24.00	26.85	4.00	5.23	7.00	6.28	8.40	44.56	" "
10.64	16.00	18.99	3.30	4.37	9.00	7.62	8.50	49.88	" "
9.36	16.00	17.64	3.30	4.05	9.00	7.43	8.20	53.32	" "
9.85	20.00	21.24	3.50	4.50	8.00	6.02	10.86	47.53	" "
8.60	13.00	15.01	3.00	3.34	11.00	10.40	6.24	56.41	" "
7.81	13.00	15.27	3.00	3.36	11.00	10.74	8.05	54.77	" "

A—Also detected Colza Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
American Butter Co., Kansas City, Mo.	
Dried Greens-Buttermilk	Derwood
American Maize-Products Co., New York, N. Y.	
Cream of Corn Gluten Feed	Germantown
Amaizo Corn Oil Meal	Baltimore
American Stores Co., Philadelphia, Pa.	
Farmdale Laying Mash	Baltimore
Farmdale Growing Mash	Baltimore
Farmdale Broiler Mash	Baltimore
Farmdale Starting & Growing Mash	Baltimore
Farmdale Chick Grains	Baltimore
Farmdale Scratch Grains	Baltimore
Amos & Glasgow, Street, Md.	
20% Egg Mash	Street
Anchor Mills, Hagerstown, Md.	
Zip Egg Mash	Hagerstown
Zip Egg Mash	Salisbury
Anderson Grain & Feed Co., York, Pa.	
Anderson 20 Dairy Feed	Upper Marlboro
Anderson 16 Dairy Feed	Upper Marlboro
Anderson Laying Mash	White Hall
Anderson Laying Mash	White Hall
Anderson Broiler Ration	White Hall
Anderson All Mash Starter & Grower	White Hall
Anderson All Mash Starter & Grower	Unionville
J. T. 85% Horse Feed	Upper Marlboro
‡Anderson Complete Calf Grower	Upper Marlboro
Anderson Turkey Growing Mash	White Hall
Anderson Turkey Starting Mash	White Hall
Anheuser-Busch, Inc., St. Louis, Mo.	
‡Anheuser-Busch Brand Corn Gluten Feed	Baltimore
*Cereal Yeast Feed	Baltimore
Anne Arundel Co. Farmers Association, Baltimore, Md.	
Anarco Dairy Feed	Baltimore
Anarco Egg Mash	Baltimore
Anarco Growing Mash	Baltimore
Anarco Broiler Mash	Baltimore
Anarco Baby Chick Starter Mash	Baltimore
Anarco Baby Chick Grains	Baltimore
Anarco Hog Feed	Baltimore
Anarco Scratch Feed	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
7.16	25.00	25.36	4.00	4.99	15.00	10.28	.....	.....	As declared on label	
9.20	25.00	27.03	2.00	3.40	8.50	7.94	6.45	45.98	"	"
7.46	20.00	21.94	7.00	11.14	12.00	9.17	2.27	48.02	"	"
9.85	20.00	20.09	5.00	5.26	7.00	8.19	6.10	50.51	"	"
10.07	17.00	19.31	4.00	4.26	6.50	8.39	7.30	50.67	"	"
9.11	17.00	17.19	4.00	5.49	6.00	5.85	7.77	54.59	"	"
9.49	16.00	15.09	4.00	3.87	5.00	5.45	6.50	59.60	"	"
11.01	10.00	10.25	3.00	3.25	3.00	1.80	1.70	71.99	"	"
10.30	10.00	10.20	2.50	2.60	4.00	3.11	1.35	72.44	"	"
9.50	20.00	20.01	4.00	4.36	7.50	6.94	8.90	50.29	"	"
10.35	18.00	19.04	4.00	4.52	6.00	6.24	5.30	54.55	"	"
9.33	18.00	19.13	4.00	5.50	6.00	6.94	8.70	50.40	"	"
7.47	20.00	23.36	3.50	5.15	12.00	11.05	9.48	43.49	"	"
9.27	16.00	18.68	3.50	4.43	12.00	11.16	9.02	47.44	"	"
8.79	20.00	20.09	4.00	5.11	8.00	9.01	8.55	48.45	"	"
8.60	20.00	21.24	4.00	4.70	8.00	8.10	8.42	48.94	"	"
9.93	17.00	18.25	4.00	4.49	7.00	6.43	7.30	53.60	A.	
9.73	16.00	17.11	4.00	5.19	7.00	7.35	6.33	54.29	As declared on label	
9.55	16.00	17.20	4.00	4.62	7.00	7.87	5.93	54.83	"	"
12.36	8.00	9.94	2.50	3.62	12.00	6.90	3.62	63.56	"	"
10.30	16.00	17.51	3.50	3.84	8.00	8.99	6.51	52.85	"	"
8.75	20.00	21.24	4.00	5.02	7.00	7.38	9.85	47.76	"	"
8.99	25.00	25.60	4.00	5.51	6.00	5.19	10.04	44.67	"	"
6.76	23.00	25.71	2.00	2.30	8.50	8.30	2.72	54.21	"	"
5.82	28.00	29.57	4.00	3.09	7.00	7.51	4.58	49.43	"	"
6.63	26.00	27.38	5.00	4.67	9.00	8.00	10.70	42.62	"	"
8.16	22.00	22.55	5.00	5.50	8.00	4.79	14.06	44.94	"	"
8.26	17.00	19.83	5.00	5.12	6.00	4.65	9.66	52.48	"	"
7.64	19.00	21.06	4.00	4.88	9.00	6.69	9.20	50.53	"	"
7.94	18.00	18.95	4.50	5.40	6.00	4.90	9.25	53.56	A.	
10.70	10.00	10.15	2.50	2.65	3.00	2.14	1.50	72.86	B.	
7.72	21.00	21.50	5.00	5.25	9.00	6.68	10.72	48.13	As declared on label	
10.80	10.00	10.20	2.50	2.65	4.00	3.10	1.30	71.95	"	"

A—Ingredients on label differ from license.
B—Unable to detect Millet.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Arcady Farms Milling Co., Chicago, Ill.	
*‡Arcady 32% Dairy Feed	Unionville
‡Arco 24% Dairy Ration	Unionville
‡Peerless Milk Ration	Unionville
‡Provo 16% Dairy Feed	Unionville
‡Sunkist Egg Mash	Unionville
‡Arcady Growing Mash	Unionville
Arcady Complete Broiler Ration	Berlin
‡Sunkist Chick Grains	Unionville
‡Arcady Wonderlas For Poultry	Unionville
‡Arcady Complete Chick Starter	Unionville
‡Sunkist Complete Chick Starter	Unionville
‡Arcady Game Bird Starter Pellets, Live Milk	Centreville
*‡Sunkist 40% Hog Supplement	Unionville
‡Wonder 18% Hog Feed	Unionville
‡Arcady Hog Grower	Unionville
Arcady Wonder Calf Meal	Unionville
‡Rockland Rabbit Ration	Unionville
Archer-Daniels-Midland Co., Minneapolis, Minn.	
44% Protein Soybean Oil Meal	Mt. Airy
44% Protein Soybean Oil Meal	Ellicott City
37% Protein Old Process Linseed Meal	Hampstead
37% Protein Old Process Linseed Meal	Baltimore
37% Protein Old Process Linseed Meal	Hagerstown
‡"Ardanco" Flaxseed Screenings	Kennedyville
The Atlantic Supply Co., Baltimore, Md.	
Atlantic 55% Meat & Bone Scraps	Pocomoke City
Atlantic Meat & Bone Scraps	Snow Hill
Atlantic Meat & Bone Scraps	Elkton
*Atlantic 58% Fish Meal	Frederick
Atlantic Dried Skim Milk	Westminster
Atlantic Dried Skim Milk	Princess Anne
Baltimore Feed & Grain Co., Baltimore, Md.	
BBL. 32% Dairy Feed	Baltimore
BBL. 24% Dairy Feed	Baltimore
BBL. 16% Dairy Feed	La Plata
BBL. Mid Day Ration	Baltimore
BBL. Egg Mash	Baltimore
BBL. Quality Egg Maker Laying Mash	Baltimore
BBL. Growing Mash	Baltimore
BBL. Broiler Feed	Baltimore
BBL. Breeder Mash (Cod Mlk O Lay)	Baltimore
BBL. Chick Feed	Baltimore
BBL. Starter & Grower	Baltimore
BBL. Developing Grains	Baltimore
BBL. 85% Horse Feed	Baltimore
BBL. Pig & Hog Feed	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.83	32.00	30.75	4.00	4.48	9.00	8.32	9.00	36.62	As declared on label
10.30	24.00	26.90	3.50	4.14	11.00	8.22	9.70	40.74	" "
10.02	20.00	20.55	3.00	3.43	12.00	9.27	10.35	46.38	" "
9.13	16.00	16.70	3.00	3.78	13.50	11.93	13.70	44.76	" "
10.26	20.00	21.14	4.00	4.43	9.00	7.94	9.84	46.39	" " E.
9.09	17.00	18.62	4.00	4.73	7.00	8.99	11.94	46.63	" "
11.35	17.00	18.99	4.00	4.37	6.00	6.82	8.91	49.56	As declared on label
11.07	9.00	10.30	2.50	2.65	5.00	3.02	1.90	71.06	D.
12.93	30.00	29.31	4.00	4.43	6.00	5.90	10.71	36.72	As declared on label
9.72	17.00	16.23	4.00	4.39	6.00	9.50	9.20	50.96	" "
8.90	17.00	20.01	4.00	5.14	8.00	8.17	12.36	45.42	" "
7.73	24.00	25.93	4.00	5.63	6.00	6.10	8.53	46.08	As declared on label
10.11	40.00	38.72	4.00	4.15	8.00	5.96	10.16	30.90	" "
9.33	18.00	24.92	4.00	4.56	8.00	6.53	11.91	42.75	D.
10.72	15.00	17.11	3.50	3.91	9.00	6.15	5.75	56.36	D.
8.67	25.00	28.43	4.00	3.99	5.00	5.16	6.83	46.92	As declared on label
9.69	17.00	18.52	2.50	3.74	11.00	9.79	8.80	49.46	" "
10.21	44.00	45.46	.50	.46	7.00	4.82	6.30	32.75	" "
9.85	44.00	46.51	.50	.90	7.00	4.80	5.85	32.09	" "
8.37	37.00	38.52	4.50	5.00	9.00	7.22	5.60	35.29	" " A.
9.43	37.00	37.21	4.50	4.85	9.00	7.31	7.14	34.06	" " B.
8.93	37.00	37.64	4.50	4.99	9.00	7.77	6.07	34.60	" " C.
9.09	15.00	15.88	8.00	9.41	12.00	10.99	6.05	48.58	" "
4.65	55.00	54.85	6.00	8.93	3.00	2.21	29.30	.06	" "
4.47	50.00	50.19	6.00	11.16	3.00	1.86	31.76	.56	" "
3.57	50.00	50.72	6.00	10.73	3.00	1.87	31.75	1.36	" "
7.00	58.00	65.20	6.00	5.41	2.00	.35	15.75	6.29	" "
.....	32.00	33.87	.25	X1.26	.....	.....	8.50	.....	" "
.....	32.00	36.42	.25	X.86	.....	.....	8.10	.....	" "
9.35	32.00	33.76	4.75	4.96	10.00	8.01	8.76	35.16	" "
9.92	24.00	25.05	4.25	6.51	10.00	9.64	10.54	38.34	" "
7.71	16.00	18.96	3.75	4.64	12.50	11.42	10.93	46.34	" "
9.36	13.00	13.16	5.00	5.51	5.00	3.94	4.52	63.51	" "
9.88	20.00	20.71	4.00	4.16	8.00	8.01	9.80	47.44	" "
9.43	20.00	20.18	4.50	5.69	7.00	6.48	10.96	47.26	" "
9.15	18.00	18.78	4.00	4.64	8.50	8.22	10.52	48.69	" "
9.64	18.00	19.74	4.00	4.72	6.00	6.22	8.65	51.03	D.
9.25	20.00	20.88	4.50	4.72	7.00	6.43	10.85	47.87	As declared on label
10.65	10.00	10.25	3.00	3.20	3.00	2.10	1.66	72.14	" "
4.34	17.50	19.66	4.00	4.98	6.00	5.39	9.23	56.40	" "
11.40	10.00	10.38	3.00	3.10	3.00	2.00	1.85	71.27	" "
10.69	9.00	10.46	3.00	3.18	9.00	6.01	3.24	66.42	" "
9.15	18.00	18.60	4.00	4.91	8.00	7.12	9.30	50.92	D.

A—Acid Insoluble Ash 0.28%.
B—Acid Insoluble Ash 0.38%.
C—Acid Insoluble Ash 0.36%.
D—Ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.
E—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Baltimore Feed & Grain Co., Baltimore, Md. (Continued.)	
BBL. Recleaned Scratch Feed	Baltimore
Victory Scratch Feed	Baltimore
BBL. Rapid Flight Racing Pigeon Feed	Baltimore
Lauterbach Special Racing Pigeon Feed	Baltimore
BBL. Special Breeding Pigeon Feed	Baltimore
BBL. Breeding Pigeon Feed	Baltimore
Barker, Moore & Mein Co., Philadelphia, Pa.	
Barker's Poultry Powder	Pocomoke City
Barker's Poultry Powder	Pocomoke City
The Baugh & Sons Co., Baltimore, Md.	
Baugh's Duplex Egg Producer Pure Meat Scrap	Pocomoke City
Baugh's Oldest Brand Meat & Bone Scrap	Princess Anne
Baugh's 58% Fish Meal	Chewsville
Baugh's 58% Fish Meal	St. Michaels
Baugh's 60% Digester Tankage	Pocomoke City
Baugh's No. 1 Laying Mash	Salisbury
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon "32"	Ellicott City
Beacon Sweet "24"	Berwyn
Cayuga "16"	Ellicott City
Beacon "20" Laying Mash	Berwyn
Beacon "22" Egg Mash	Ellicott City
Beacon Battery Laying Mash	Ellicott City
Beacon Battery Laying Mash	Berwyn
Beacon "18" Growing Mash	Berwyn
Beacon "16" Growing Mash	Ellicott City
Beacon Fitting Ration	Ellicott City
Beacon Complete Starting Ration	Princess Anne
Beacon C-C Pellets	Princess Anne
Beacon Fleshing Pellets	Ellicott City
Beacon Breeders Mash	Princess Anne
Beacon Broiler Feed	Princess Anne
Beacon Battery Broiler Feed	Berwyn
Beacon Cayuga Horse Feed	Ellicott City
Beacon 40% Hog Supplement	Ellicott City
Beacon Hog Feed	Ellicott City
Beacon Turkey Growing Feed	Ellicott City
Beacon Turkey & Game Bird Breeder Mash	Ellicott City
Beacon Turkey Flushing Feed	Ellicott City
J. L. Beauchamp & Sons, Delmar, Del.	
Delmar Laying Mash	
*Jay Bee Laying Mash	
Jay Bee All Mash Grow, with BM. & Cod Liver Oil	
Jay Bee Hog Feed	

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.10	10.00	10.15	3.00	3.25	3.00	2.70	1.50	72.30	As declared on label
10.60	10.00	10.25	3.00	3.30	3.00	2.60	1.55	71.70	" "
9.60	17.50	17.90	3.00	3.50	5.00	3.40	3.35	62.25	" "
9.50	17.50	17.80	3.00	3.40	5.00	3.35	3.30	62.65	" "
9.50	14.00	14.20	3.00	3.35	5.00	3.60	3.05	66.30	" "
9.75	14.00	14.25	3.00	3.40	5.00	4.20	3.40	65.00	A.
5.31	15.00	19.83	3.50	9.20	16.00	9.58	22.25	33.83	
5.55	15.00	20.18	3.50	7.83	16.00	9.66	24.23	32.55	
7.12	55.00	55.11	6.00	9.22	3.00	2.78	25.70	.07	As declared on label
6.90	50.00	50.28	6.00	9.76	3.00	2.44	29.80	.82	" "
6.64	58.00	59.14	5.00	4.99	3.00	.62	21.20	7.41	" "
7.33	58.00	60.02	5.00	8.34	3.00	.67	18.20	5.44	" "
8.78	60.00	62.66	5.00	6.09	3.00	2.31	19.17	.99	" "
8.71	20.00	19.92	4.00	4.78	7.00	8.40	9.04	49.15	" "
10.29	32.00	33.25	4.50	4.58	8.50	6.10	10.30	35.48	" "
7.75	24.00	26.19	4.00	4.37	9.00	7.26	7.32	47.11	" "
10.53	16.00	17.61	3.50	3.43	10.00	6.87	8.80	52.76	" "
8.85	20.00	20.71	4.00	6.15	7.50	6.87	11.84	45.58	" "
8.77	22.00	22.55	4.50	5.82	7.50	6.05	11.75	45.06	" "
9.98	16.00	16.94	4.00	5.03	7.75	6.42	9.86	51.77	" "
9.07	16.00	16.85	4.00	5.18	7.75	7.25	9.94	51.71	" "
9.32	18.00	18.69	4.00	5.14	7.50	7.42	9.96	49.47	" "
9.14	16.00	16.94	4.00	5.42	7.50	6.22	10.10	52.18	" "
11.25	14.00	16.48	4.00	4.16	8.00	7.34	6.99	53.78	" "
8.61	17.50	19.13	4.00	4.75	6.00	5.19	9.20	53.12	" "
7.96	18.00	18.87	1.00	7.33	5.00	4.35	5.80	55.69	" "
9.83	15.00	15.62	3.50	4.27	7.50	7.09	6.20	56.99	" "
7.81	20.00	20.62	4.00	5.63	7.50	6.58	11.87	47.49	" "
8.98	18.50	21.41	4.00	4.68	7.00	5.11	8.60	51.22	" "
9.71	17.00	18.16	4.00	5.58	6.00	5.81	8.55	52.19	" "
10.65	10.00	11.15	2.50	2.85	9.00	6.35	4.82	64.18	" "
7.86	40.00	39.75	5.00	7.74	7.00	4.78	16.80	23.07	" "
9.70	18.00	18.16	4.00	4.83	7.00	5.50	8.70	53.11	" "
8.70	20.00	21.67	4.00	5.34	7.00	6.16	9.39	48.74	" "
8.16	22.00	22.73	4.00	6.53	7.50	6.46	12.20	43.92	" "
8.17	18.00	18.43	1.00	7.50	5.00	4.56	6.95	54.39	" "
7.58	20.00	22.11	3.50	5.27	8.00	6.56	11.25	47.23	B.
9.16	16.00	16.85	4.50	3.87	8.00	6.24	12.87	51.01	As declared on label
9.47	17.00	16.41	4.50	5.02	7.00	5.91	12.75	52.44	" "
9.91	13.13	15.62	4.35	4.66	6.80	6.60	6.03	57.18	" "

A—Also detected Millet.
B—Fat guarantee and ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Beaumont Rice Mills, Beaumont, Texas	
Pure Rice Bran	Baltimore
Bedford Milling Co., Bedford, Pa.	
Farm King 24% Dairy	Cumberland
Farm King 20% Dairy Ration	Cumberland
Farm King 20% Dairy Ration	Cumberland
Farm King 16% Dairy Ration	Cumberland
Bedford Egg & Breeder	Cumberland
*Farm King Laying Mash	Cumberland
Lucky Bird Laying Mash	Cumberland
Bedford Weekly Diet	Cumberland
Bedford Starting Mash	Cumberland
Bedford Pig & Hog Feed	Cumberland
Farm King Hogmaker	Cumberland
G. T. Bell & Son, Federalsburg, Md.	
Pure Wheat Bran	Federalsburg
Pure Wheat Middlings	Federalsburg
J. P. Bennett & Son, Mardela Springs, Md.	
Bennett's Best Laying Mash	Mardela Springs
D. M. Laying Mash	Mardela Springs
Bennett's Best Developing Ration	Mardela Springs
Bennett's Best Chick Starter	Mardela Springs
Bennett's Best Hog Feed	Mardela Springs
Bennett's Best Scratch Feed	Mardela Springs
Berlin Feed Store, Berlin, Md.	
B. F. S. Fish Meal	Berlin
B. F. S. Laying Mash	Berlin
B. F. S. Growing Mash	Berlin
Berlin Milling Co., Berlin, Md.	
Economy Laying Mash	Berlin
Economy Growing Mash	Salisbury
Economy Starter & Broiler Mash	Berlin
Economy Hog & Pig Feed	Salisbury
Pure Wheat Bran	Salisbury
Berlin Milling Co., Salisbury, Md.	
Wheat Middlings, with Ground Screenings	Salisbury
Geo. W. Biles Co., Inc., Providence, Md.	
Cecil County 32% Dairy Feed	Providence
Cecil County Laying Mash	Providence
Cecil County Starter & Grower	Providence

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.61	13.00	12.46	13.00	14.69	15.00	13.56	.....	.....	As declared on label
9.60	24.00	24.01	4.00	4.25	12.00	8.09	10.49	43.56	" "
10.00	20.00	19.69	3.50	4.11	11.00	9.44	12.44	44.32	" "
9.90	20.00	20.45	3.50	4.74	11.00	10.15	11.79	42.97	" "
10.78	16.00	16.03	3.00	3.19	12.00	9.89	10.67	49.44	" "
9.31	21.00	20.71	5.00	4.92	7.00	6.71	10.28	48.07	" "
10.62	20.00	18.36	4.00	4.36	7.00	6.36	8.53	51.77	" "
11.11	18.00	18.14	3.00	3.70	8.00	6.76	9.29	51.00	" "
11.17	17.00	16.96	5.00	7.52	8.00	7.16	8.84	48.35	" "
9.15	20.00	20.01	4.50	4.37	6.00	4.82	8.73	52.92	A.
11.56	16.00	15.98	4.00	3.82	5.00	3.96	6.14	58.54	As declared on label
10.98	16.00	16.18	3.00	2.89	7.00	5.18	7.11	57.66	" "
7.40	14.50	14.70	4.00	4.22	9.00	8.88	7.02	57.78	" "
9.65	15.00	14.78	4.00	3.60	5.00	2.40	2.32	67.25	" "
8.92	20.00	20.71	4.00	4.96	9.00	7.27	11.85	46.29	" "
8.64	20.00	20.18	4.00	4.25	9.00	7.24	10.60	49.09	" "
9.18	16.00	18.52	4.00	4.47	8.00	5.33	9.72	52.78	" "
9.96	15.00	15.09	4.00	4.18	7.00	4.04	8.76	57.97	" "
9.58	16.00	16.23	4.00	4.39	10.00	7.36	10.05	52.39	B.
11.10	8.00	8.25	2.00	2.30	4.00	2.40	2.10	73.85	As declared on label
6.56	55.00	62.48	5.00	5.97	3.00	.34	17.20	7.45	" "
14.43	19.00	19.83	4.00	4.24	7.00	6.02	11.45	44.03	" "
9.74	17.00	18.94	4.00	4.15	7.00	5.86	11.42	49.89	" "
8.22	19.00	19.39	5.00	5.28	6.50	6.49	10.90	49.72	" "
8.33	15.00	17.81	4.50	4.84	5.00	6.90	8.90	53.22	A.
9.17	18.00	19.74	4.50	4.59	5.00	5.92	8.80	51.78	As declared on label
8.86	16.00	17.90	4.50	4.33	9.50	7.13	8.60	53.18	" "
9.63	15.00	14.80	3.00	4.42	10.00	9.50	6.04	55.61	" "
10.35	14.50	14.47	4.00	4.10	5.00	4.72	3.58	62.78	" "
8.64	32.00	34.92	4.00	4.11	9.50	8.03	8.15	36.15	" "
9.20	20.00	21.15	4.00	5.31	6.50	5.39	13.94	45.01	" "
9.87	17.00	19.04	4.00	4.89	6.50	6.08	9.75	50.37	" "

A—Ingredients on label differ from license.
B—Also detected Soybean Oil Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Binger Brothers, Upper Marlboro, Md.	
Blue Star Laying Mash	Upper Marlboro
Red Star Laying Mash, with Buttermilk	Upper Marlboro
Red Star, Growing Mash, with Buttermilk	Upper Marlboro
Red Star Breeder Mash	Upper Marlboro
Red Star Starter-Grower Mash	Upper Marlboro
Red Star Pig Meal	Upper Marlboro
Red Star Scratch Feed	Upper Marlboro
Red Star Turkey Mash	Upper Marlboro
Bisbee Linseed Co., Philadelphia, Pa.	
Bisbee Brand 32% Protein O. P. Linseed Meal	Elkton
*Illinois Brand 30% Protein Linseed Meal & Flaxseed Screenings Oil Feed	Westminster
Blatchford Calf Meal Co., Waukegan, Ill.	
V-D	Preston
Thomas B. Bourne, Millington, Md.	
‡Red Lion Mill Laying Mash	Millington
‡Red Lion Mill Starting Mash	Millington
Bowman Brothers, Gaithersburg, Maryland	
*Gilt Edge Dairy Feed	Gaithersburg
*Gilt Edge Dairy Feed	Gaithersburg
*Gilt Edge Laying Mash	Gaithersburg
Gilt Edge Growing Mash	Gaithersburg
Gilt Edge Starting Mash	Gaithersburg
Gilt Edge Hog Feed	Gaithersburg
Gilt Edge Winter Wheat Middlings, with M. R. S.	Hyattsville
Bradley & Baker, Baltimore, Maryland	
Bradbake 50% Meat & Bone Scrap	Baltimore
Bradbake 50% Meat & Bone Scrap	Chewsville
*Bradbake Fish Meal	Owings Mills
Bradbake 41% Prime Cottonseed Meal	Baltimore
Bradbake 41% Prime Cottonseed Meal	Detour
C. H. Braun & Sons, Inc., Baltimore, Md.	
Encore Brand 55% Meat Scrap	Baltimore
Encore Brand 50% Meat & Bone Scrap	Baltimore
*Encore Brand 50% Meat & Bone Scrap	Baltimore
Encore Brand 45% Meat & Bone Scrap	Hagerstown
*Encore Brand 60% Digester Tankage	Hagerstown
*Encore Brand 60% Digester Tankage	Hagerstown
Geo. F. Brenner, Stewartstown, Pa.	
Brenner's VD Egg Mash	
Brenner's Special Egg Mash	
Brenner's VD Chick Grower	
Brenner's VD Chick Starter	

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
11.16	18.00	18.43	4.00	4.49	8.00	7.12	7.66	51.14	As declared on label	
8.37	20.00	21.94	4.50	5.43	7.00	6.31	12.25	45.70	"	"
9.70	16.00	17.81	4.00	5.14	7.00	5.27	8.95	53.13	"	"
8.57	20.00	21.51	5.00	5.40	7.00	5.55	10.50	48.47	A.	
8.48	17.50	18.87	5.00	5.97	7.00	6.11	8.20	52.37	As declared on label	
8.45	16.00	17.38	4.00	5.40	7.00	8.11	7.75	52.91	"	"
11.40	10.00	10.30	2.50	2.75	5.00	2.40	2.04	71.11	"	"
6.82	20.00	20.62	4.50	5.28	7.00	8.79	7.70	50.79	"	"
9.35	32.00	34.22	5.00	5.89	10.00	7.90	6.50	36.14	"	" B.
9.50	30.00	28.61	5.00	6.12	10.00	9.31	8.75	37.71	"	"
7.91	31.00	31.41	4.00	5.50	5.50	5.11	11.65	38.42	"	"
9.74	20.00	20.01	4.00	4.42	9.00	8.25	6.97	50.61	"	"
10.22	17.00	17.55	4.00	4.68	5.00	5.84	7.95	53.76	"	"
7.83	32.00	31.33	5.00	4.00	9.00	8.08	9.75	39.01	"	"
8.11	26.00	28.26	5.00	4.21	9.00	7.51	9.05	42.86	"	"
9.52	19.00	19.83	5.00	3.94	6.00	6.28	10.40	50.03	"	"
9.21	16.00	16.23	3.50	4.47	6.00	5.52	6.28	58.29	"	"
9.51	17.00	16.67	3.50	5.06	5.00	5.03	6.05	57.68	"	"
6.98	19.00	20.80	3.00	6.63	8.00	5.94	12.27	47.38	"	" C.
11.78	15.00	14.04	4.00	3.67	6.00	3.59	2.76	64.16	"	"
5.75	50.00	50.55	6.00	9.94	3.00	1.97	30.17	1.62	"	"
5.46	50.00	50.02	6.00	12.07	3.00	1.45	27.65	3.35	"	"
6.54	58.00	66.87	6.00	3.70	3.00	0.38	16.60	5.91	"	"
8.97	41.00	41.94	5.50	7.64	13.00	9.09	6.16	26.20	"	"
8.51	41.00	42.56	5.50	8.14	13.00	9.66	5.85	25.28	"	"
6.11	55.00	56.69	6.00	11.96	3.00	2.31	22.50	.43	"	"
4.81	50.00	50.11	6.00	11.28	3.00	1.98	30.38	1.44	"	"
5.99	50.00	48.35	6.00	11.21	3.00	1.37	30.70	2.38	"	"
5.60	45.00	45.45	6.00	13.44	3.00	2.32	29.40	3.79	"	"
11.27	60.00	54.76	6.00	9.49	3.00	1.62	20.25	2.61	"	"
8.18	60.00	55.03	6.00	10.07	3.00	1.42	22.50	2.80	"	"
9.09	20.00	20.97	4.00	4.77	7.50	7.68	11.75	45.74	"	"
9.83	18.00	19.83	4.00	4.59	8.50	6.81	10.25	48.69	"	"
7.40	18.50	18.69	4.50	4.20	7.00	7.06	8.65	54.00	"	"
9.92	16.00	17.81	4.50	4.79	6.50	6.52	8.05	52.91	"	"

A—Also detected Corn Gluten Meal.
B—Acid Insoluble Ash 1.37%.
C—Fat guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Bridgeville Flour & Feed Mills, Inc., Bridgeville, Del.	
‡Home Laying Mash	Princess Anne
Brooks Supply Co., Reisterstown, Md.	
Brooks Special Laying Mash	Reisterstown
Brooks Special Starting & Growing Mash	Reisterstown
M. P. Brooks, Chesterstown, Md.	
32% Special Dairy Feed	Chestertown
20% Special Dairy Feed	Chestertown
Rose Bud Egg Mash	Chestertown
Rose Bud Sunshine Chick Starter & Grower	Chestertown
Special Hog	Chestertown
Brooks' Rose Bud Turkey Starter & Grower	Chestertown
Sunshine Turkey Starter	Chestertown
Herbert Bryant Inc., Alexandria, Va.	
*50% Protein Meat & Bone Scrap for Poultry	Washington Grove
50% Protein Meat & Bone Scrap for Poultry	Washington Grove
*50% Protein Meat & Bone Scrap for Poultry	Washington Grove
45% Protein Meat & Bone Scrap for Poultry	Washington Grove
Ground Fish for Poultry	Washington Grove
H. B. 32% Dairy Feed	Washington Grove
20% Prizewinner Dairy Feed	Washington Grove
16% Prizewinner Dairy Feed	Washington Grove
Bryant's New Deal Laying Mash	Washington Grove
H. B. Laying Mash	Washington Grove
Bryant's New Deal Growing Mash	Washington Grove
H. B. All Mash Chick Starter	Washington Grove
Bryant's Stock Feed	Washington Grove
‡Corn Feed Meal	Washington Grove
H. B. Pig & Hog Feed	Washington Grove
C. W. Burckhalter, Inc., New York, N. Y.	
Burck Brand Dried Buttermilk	Ellicott City
Calvary Mill, Bel Air, Md.	
"Calvary Mills" Brand Pure Grain Dairy Ration	Bel Air
*Calvary Laying Mash	Bel Air
*Pure Wheat Middlings	Bel Air
Cambridge Manufacturing Co., Cambridge, Md.	
*New Vim Dairy Feed	Queen Anne
*New Vim Dairy Feed	Cambridge
*New Vim Dairy Feed	Queen Anne
New Vim Gets "Em" Laying Mash	Cambridge
*Moore's Laying Mash	Cambridge
New Vim Special Laying Mash	Cambridge
*New Vim Super Laying Mash	Cambridge
New Vim Special Growing Mash	Cambridge
Broiler Mash	Cambridge
Super Chick Starter	Cambridge

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.69	17.00	18.25	4.50	5.58	6.00	5.34	13.45	48.69	As declared on label
8.48	18.00	18.43	4.00	4.96	7.00	7.10	11.25	49.78	" "
9.13	16.50	17.29	4.00	4.78	7.00	6.74	10.34	51.72	" "
10.25	32.00	36.04	4.00	5.70	9.00	8.43	8.98	30.60	" "
9.66	20.00	20.53	4.00	4.36	9.00	8.28	6.50	50.67	" "
7.44	19.00	20.80	4.50	5.54	7.00	5.85	13.58	46.79	" "
10.56	16.00	16.50	5.00	5.24	6.00	5.03	5.60	57.07	" "
9.19	17.50	19.39	3.50	4.21	7.50	4.51	7.87	54.83	" "
9.06	20.00	22.03	4.50	5.99	9.00	7.02	11.50	44.40	" "
9.07	26.00	25.80	5.00	5.58	6.00	4.80	10.86	43.89	" "
5.84	50.00	47.13	10.00	10.13	2.00	1.91	33.50	1.49	" "
6.80	50.00	49.32	10.00	12.67	2.00	1.77	29.40	.04	" "
5.53	50.00	47.16	10.00	10.86	2.00	1.88	35.50	.....	" "
6.93	45.00	48.27	10.00	11.92	2.00	1.78	30.30	.80	" "
6.73	58.00	58.62	7.00	7.63	1.00	.68	20.05	6.29	" "
7.30	32.00	33.08	4.00	5.12	9.00	10.27	10.10	34.13	" "
9.90	20.00	21.32	3.00	3.19	14.00	13.62	8.87	43.10	" "
10.20	16.00	17.22	2.00	2.72	15.00	14.32	9.27	46.27	" "
9.34	18.00	19.48	4.50	5.35	7.00	7.22	8.98	49.63	" "
9.96	19.00	19.39	5.00	4.79	6.50	5.88	9.02	50.96	" "
9.80	18.00	17.99	4.50	5.07	7.00	6.72	8.66	51.76	" "
8.71	18.00	20.01	4.00	5.09	5.00	6.10	9.05	51.04	" "
10.39	17.00	19.59	.75	1.11	13.25	10.01	13.58	45.32	" "
12.07	8.00	9.30	3.00	4.47	4.00	2.19	2.27	69.70	" "
10.25	16.00	17.38	5.00	4.81	6.00	6.15	7.17	54.24	" "
.....	32.00	32.21	5.00	X5.72	.....	.....	8.90	.....	A.
8.48	20.00	20.01	4.50	4.50	10.00	8.51	7.46	51.04	As declared on label
8.06	18.00	19.31	5.00	4.42	8.00	10.51	10.50	47.20	B.
11.43	13.00	13.69	4.00	3.46	6.00	2.64	2.25	66.53	As declared on label
9.39	32.00	33.75	4.50	2.77	9.00	7.34	9.29	37.46	" "
10.67	24.00	26.43	4.00	3.44	9.50	8.03	8.61	42.82	" "
11.56	16.00	18.45	3.00	2.40	12.00	10.24	7.85	49.50	" "
10.19	20.00	20.04	5.00	4.55	7.00	6.27	10.90	48.05	" "
9.31	20.00	18.08	5.00	4.65	5.00	5.52	13.05	49.39	" "
7.66	20.00	20.09	5.00	4.67	7.00	4.63	13.75	48.20	" "
8.53	20.00	20.09	5.00	4.37	7.00	5.02	13.65	48.34	" "
8.25	16.00	16.67	4.00	4.46	6.00	4.27	9.95	56.40	" "
8.48	17.00	17.29	4.00	5.19	5.00	3.78	9.65	55.61	" "
8.11	14.00	17.29	4.00	5.49	5.50	4.63	9.20	55.28	" "

A—Also detected Starch.
B—No information on label.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Cambridge Manufacturing Co., Cambridge, Md., (Continued.)	
New Vim Hog Feed	Cambridge
New Vim Fine Chick Scratch	Cambridge
New Vim Scratch Feed	Cambridge
Carter & Yates Milling Co., Centreville, Md.	
Economy Laying Mash	Centreville
Red Star Laying Mash	Centreville
Economy Starter & Grower	Centreville
Red Star Pig & Hog Feed	Centreville
Economy Pig Meal	Centreville
Red Star Turkey Mash	Centreville
Cecil County Milling Co., Rising Sun, Md.	
Rising Sun Brand 32% Dairy Feed	Rising Sun
Rising Sun Brand 16% Dairy Feed	Rising Sun
Rising Sun Brand Laying Mash 20%, with DBM	Rising Sun
Central Chemical Corp. of Virginia, Harrisonburg, Va.	
‡Feedrite Menhaden Fish Meal	Hagerstown
‡Feedrite Menhaden Fish Meal	Hagerstown
The Central Feed Co., Baltimore, Md.	
Breeding Pigeon Feed	Baltimore
Central Mills, Inc., Dunbridge, Ohio	
‡Alfalfa Meal 1-13 X Fine Brand	Westminster
Central Soya Co., Inc., Fort Wayne, Ind.	
Central Star Brand Soybean Oil Meal	Walkersville
Central Soybean Oil Meal	Hagerstown
Chapin & Co., Hammond, Ind.	
‡Unicorn Dairy Ration 24%	Baltimore
‡Chapin Kernels Grow All	Baltimore
Chestnut Farms Chevy Chase Dariy Company, Washington, D.C.	
Skim Milk Powder	Upper Marlboro
Chewsville Cooperative Association, Inc., Chewsville, Md.	
Thrivont 32% Mixing Ration	Chewsville
Thrivont Milk Maker	Chewsville
Chewsville Maryland Laying Mash	Chewsville
Thrivont Laying Mash	Chewsville
Thrivont Growing Ration	Chewsville
Thrivont Chick Starter & Broiler Ration	Chewsville
Thrivont Stock Feed	Chewsville
Thrivont Pig & Hog Meal	Chewsville
Thrivont Protein-Mineral Supplement For Hogs	Chewsville
Thrivont Scratch Grains	Chewsville

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.26	16.00	17.90	4.50	4.67	9.00	7.38	7.82	52.97	As declared on label
11.30	9.00	9.25	2.50	2.65	3.00	1.70	1.30	73.80	" "
11.04	9.00	9.20	3.00	3.15	10.00	2.75	1.25	72.61	" "
10.27	16.00	21.50	3.50	4.59	8.00	7.74	7.07	48.83	" "
8.22	20.00	22.20	4.00	5.30	8.00	6.63	9.93	47.72	" "
10.42	15.00	17.38	4.00	4.86	6.00	5.20	8.01	54.13	" "
9.22	18.00	19.13	3.50	4.27	7.00	5.19	6.88	55.31	" "
9.47	14.00	18.34	3.50	4.08	8.00	6.83	4.97	56.31	" "
9.57	18.00	19.83	4.00	4.85	10.00	10.15	9.52	46.08	" "
6.44	32.00	34.89	3.25	4.58	9.00	8.22	8.84	37.03	D.
10.71	16.00	17.96	3.50	3.41	12.00	8.32	7.23	52.37	As declared on label
8.75	20.00	21.59	4.50	5.10	5.00	5.55	10.15	48.86	" "
8.95	55.00	55.02	6.00	6.53	5.00	2.92	23.50	3.08	A.
9.24	55.00	55.37	6.00	6.25	5.00	2.97	22.92	3.25	A.
9.82	11.00	11.02	4.00	4.20	4.50	2.95	3.01	69.00	
9.75	13.00	13.86	1.50	1.34	33.00	34.00	7.40	33.65	As declared on lab. B.
9.88	44.00	45.72	.50	.56	7.00	4.93	6.00	32.91	" "
7.11	41.00	45.37	4.00	6.14	7.00	5.82	6.20	29.36	" "
8.38	24.00	25.51	3.50	3.84	10.00	8.57	8.28	45.42	" "
7.61	20.00	20.45	5.00	5.43	5.00	4.59	6.60	55.32	" "
.....	32.00	35.80	.75	X1.52	.....	.....	8.70	.....	" "
6.70	32.00	32.94	4.00	5.24	10.00	8.18	11.65	35.29	As declared on label
6.62	24.00	29.30	4.00	4.15	10.00	8.27	10.74	40.92	" "
10.00	19.00	21.15	4.50	5.36	6.50	4.96	7.78	50.75	.E
7.76	19.00	21.31	4.50	4.89	8.00	5.12	9.88	51.04	As declared on label
8.82	17.00	18.60	4.00	5.21	6.00	5.25	9.05	53.07	" "
9.37	16.50	18.78	4.50	5.20	5.00	5.33	8.95	52.37	" "
9.23	10.00	11.13	3.00	2.98	10.00	8.98	8.61	59.07	" "
7.06	17.00	19.03	4.00	3.76	6.50	4.96	9.57	55.62	" "
6.77	35.00	40.28	4.00	5.58	9.50	6.90	24.75	15.72	E.
10.12	10.00	10.25	2.50	2.60	5.00	1.80	1.65	73.58	As declared on label

A—Also detected Crab Meal. Product later registered as "Feedrite Fish Meal and Crab Scrap."
B—Carotene 10 Parts Per Million.
D—Also detected Cocoanut Oil Meal.
X—Fat as determined by the Roese-Gottlieb Method.
E—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Clinton Company, Clinton, Iowa	
Clinton Corn Gluten Feed	Cambridge
Edna Clipp, Sharpsburg, Md.	
Clipp's Egg Mash	Sharpsburg
Herbert K. Clofine, Philadelphia, Pa.	
‡Supreme Brand Dried Buttermilk	Cambridge
Supreme Brand Dried Skim Milk	St. Michaels
J. Henry Clusman & Co., Baltimore, Md.	
Reliance 24% Dairy Ration	Baltimore
Reliance 16% Dairy Ration	Baltimore
Reliance Laying Mash	Baltimore
Reliance Starter & Grower Mash	Baltimore
Fairfield Horse Feed	Baltimore
Reliance Pig & Hog Feed	Baltimore
Coatsworth & Cooper, Toronto, Canada	
"C & C" Pure Wheat Shorts	Princess Anne
The Cohn & Bock Co., Princess Anne, Md.	
C. & B. Laying Mash, with 4% Dried Milk	Princess Anne
C. & B. Growing Mash, with 4% Dried Milk	Princess Anne
C. & B. Broiler Ration, with 5% Dried Milk	Princess Anne
C. & B. Pig & Hog Meal	Princess Anne
The G. E. Conkey Co., Cleveland, Ohio	
Conkey's Y-O (Brand) 32% Supplement Mash	Hagerstown
Conkey's Y-O (Brand) Egg Mash	Hagerstown
Conkey's Y-O (Brand) Growing Mash	Hagerstown
Conkey's Y-O (Brand) Broiler Mash	Hagerstown
‡Conkey's Y-O (Brand) All Mash Chick Ration	Hagerstown
Conkey's Y-O (Brand) (The Original) Starting Feed	Hagerstown
The Continental Milling & Feed Co., Ellicott City, Md.	
Milk-A-Lot Dairy Feed 32%	Ellicott City
Maryland Maide Dairy Feed 24%	Ellicott City
Polka Dot Dairy Feed 24%	Ellicott City
Patapsco Dairy Feed 16%	Ellicott City
Continental Laying Mash	Ellicott City
Pre-Ferd Laying Mash	Ellicott City
Polka Dot Laying Mash	Ellicott City
Polka Dot All Mash Laying Ration	Ellicott City
Polka Dot Growing Mash	Ellicott City
Polka Dot All Mash Broiler Ration	Ellicott City
Polka Dot Starting Mash	Ellicott City
Polka Dot Horse Feed	Ellicott City
Polka Dot Hog Meal	Ellicott City
Polka Dot Pig Meal	Ellicott City
Polka Dot Turkey Growing Mash	Ellicott City
*Polka Dot Turkey Starting Mash	Ellicott City

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
9.22	23.00	26.85	2.00	1.93	8.50	7.76	6.23	48.01	As declared on label	
9.53	20.00	20.45	4.50	4.58	6.00	6.24	7.97	51.23	"	"
.....	32.00	35.45	5.00	X6.01	.....	.....	12.25	.....	"	"
.....	32.00	34.92	.25	X .26	.....	.....	8.05	.....	"	"
10.10	24.00	27.03	3.00	3.42	10.00	9.08	9.35	41.02	"	"
8.85	16.00	19.21	3.00	4.43	12.00	11.01	8.83	47.67	"	"
8.38	20.00	22.29	4.50	4.11	8.00	7.78	11.00	46.44	"	"
8.06	17.00	19.83	4.00	4.38	7.00	6.87	11.40	49.46	"	"
11.33	9.00	9.95	2.50	3.77	9.00	6.27	3.49	65.17	"	"
8.95	16.50	17.64	3.50	4.26	7.50	9.12	8.40	51.63	"	"
10.15	16.00	18.95	5.00	6.12	8.00	8.05	4.65	52.08	"	"
8.27	20.00	21.24	4.50	4.81	6.00	5.06	13.10	47.52	"	"
8.15	16.00	19.48	4.50	4.43	6.00	6.61	9.45	51.88	"	"
8.22	18.00	19.66	3.50	5.80	6.00	6.01	9.81	50.50	"	"
9.15	16.00	17.20	4.00	3.85	5.00	5.00	8.00	56.80	"	"
7.62	32.00	34.58	4.00	5.35	8.00	5.58	16.05	30.82	"	"
9.29	20.00	21.06	4.00	4.63	8.00	5.49	10.61	48.92	"	"
8.61	18.00	19.74	4.00	5.66	7.00	5.90	8.35	51.74	"	"
8.68	19.00	20.53	4.00	5.82	7.00	5.25	8.00	51.72	"	"
9.08	16.00	18.34	4.00	5.11	7.00	5.57	7.70	54.20	"	"
9.02	18.00	19.39	4.00	5.95	7.00	5.44	7.25	52.95	"	"
9.23	32.00	33.53	4.00	3.52	10.00	7.64	.....	.....	"	"
10.10	24.00	24.59	4.00	3.81	9.50	7.77	.....	.....	"	"
9.54	24.00	24.45	4.00	4.30	10.00	8.83	.....	.....	"	"
10.57	16.00	19.86	3.50	3.36	12.00	9.07	.....	.....	"	"
9.51	20.00	20.88	4.50	4.46	7.00	6.91	9.41	48.83	"	"
8.96	18.00	19.13	4.00	4.41	7.00	5.85	13.65	48.00	"	"
9.16	20.00	22.11	4.50	4.27	7.00	6.95	9.25	48.26	"	"
9.43	16.00	18.60	4.00	4.42	7.00	6.95	8.30	52.30	"	"
9.00	16.00	19.39	4.00	4.34	7.00	6.75	9.64	50.88	"	"
10.16	16.00	18.78	4.00	4.24	6.00	6.28	8.30	52.24	"	"
9.16	15.00	18.16	4.00	4.24	5.00	4.90	8.00	55.54	"	"
10.92	8.00	11.12	2.00	3.19	14.00	6.02	.....	.....	"	"
9.98	20.00	21.40	4.00	3.98	6.00	6.16	.....	.....	"	"
9.68	18.00	19.83	4.00	4.46	7.00	6.49	8.10	51.44	"	"
8.82	20.00	20.88	4.00	5.61	7.00	7.85	9.95	46.89	"	"
8.20	24.00	25.18	5.00	4.19	7.00	8.20	11.90	42.33	"	"

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Consolidated By-Product Co., Philadelphia, Pa.	
50% Consolidated Beef & Bone Scrap	Berlin
Consolidated Products Co., Danville, Ill.	
Semi-Solid Chick Emulsion	Salisbury
Corn Products Refining Co., New York, N. Y.	
Diamond Corn Gluten Meal	Baltimore
Buffalo Corn Gluten Feed	Baltimore
Buffalo Corn Gluten Feed (Sweetened)	Detour
A. O. Dailey & Sons, Inc., Binghamton, N. Y.	
‡Dailey's 16% Dairy Ration (with Molasses)	Baltimore
‡Dailey's Egg Producer Mash	Baltimore
‡Dailey's Super Starting & Growing Mash	Baltimore
‡Dailey's Horse Feed (with Molasses)	Baltimore
‡Dailey's Special Scratch Grains	Baltimore
Dawe's Vitamelk Co., Chicago, Ill.	
Dawe's Vitamelk Concentrate	Frederick
Decatur Soy Products Co., Inc., Decatur, Ill.	
Illini Brand, 41% Protein Soybean Oil Meal	St. Michaels
Illini Brand, 41% Protein Soybean Oil Meal	Baltimore
‡Illini Brand, 41% Protein Soybean Oil Meal	Frederick
Delaware Mills, Inc., Deposit, N. Y.	
Delaware 32% Dairy Supplement	Ingleside
Delaware Sweet 24% Dairy Feed	Ingleside
Indian Sweet 24% Dairy Feed	Ingleside
Indian Sweet 20% Dairy Feed	Ingleside
‡Delflush	Girdletree
Delco Laying Mash (with Cod Liver Oil & Dried Skim Milk)	Girdletree
Delaware Growing Mash (with Cod Liver Oil & Dried Skim Mlk.)	Ingleside
Delaware Milk Flushing Mash (with Cod Liver Oil)	Ingleside
Delaware Starter & Broiler Ration (with Dried Skim Milk and Cod Liver Oil)	Girdletree
‡Delaware Fitting Ration	Ingleside
‡Delaware Turkey Starting Mash (with Cod Liver Oil and Dried Skim Milk)	Ingleside
The Denver Alfalfa Milling & Products Co., Lamar, Col.	
17% Protein Dehydrated Alfalfa Meal	Derwood
17% Protein Dehydrated Alfalfa Meal	Frederick
17% Protein Dehydrated Alfalfa Meal	Berlin
13% Triple XXX Alfalfa Meal	Mt. Airy
The Derwood Mill, Derwood, Md.	
Derwood 32% Dairy Feed	Derwood
Derwood 26% Dairy Feed	Derwood
Derwood 20% Dairy Feed	Derwood
Derwood 16% Dairy Feed	Derwood

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
5.84	50.00	55.37	7.00	9.94	3.00	2.14	27.72	.....	As declared on label
.....	8.00	8.42	2.00	X2.49	C32.00	C32.06	.....	.....	
7.19	41.00	43.44	1.00	2.11	4.00	3.12	2.35	41.79	" " A.
8.55	23.00	23.87	2.00	2.29	8.50	8.47	6.15	50.67	" " B.
10.55	18.00	20.62	1.50	2.06	8.50	7.07	5.77	53.93	" "
10.33	16.00	17.03	3.50	3.98	12.10	12.04	9.48	47.14	" "
10.08	18.00	17.55	4.00	4.29	7.00	6.97	10.45	50.66	" "
9.72	18.00	22.20	4.00	5.00	7.50	6.78	10.18	46.12	" "
11.12	9.00	10.89	3.00	3.48	10.00	7.25	4.40	62.86	" "
10.40	9.00	9.35	2.50	2.60	5.00	3.10	1.40	73.15	" "
4.91	18.00	28.78	7.00	6.96	2.50	.44	8.25	50.66	
9.35	41.00	44.93	4.50	5.34	7.00	5.38	6.28	28.72	" "
9.80	41.00	43.00	4.50	5.56	7.00	5.72	6.37	29.55	" "
7.78	41.00	45.81	4.50	5.02	7.00	5.68	6.53	29.18	" "
11.45	32.00	34.29	4.00	4.97	9.00	7.32	8.12	33.85	" "
10.58	24.00	25.59	4.50	4.92	9.00	7.79	9.12	42.02	" "
11.17	24.00	26.12	3.50	4.60	12.00	8.94	8.06	41.11	" "
10.53	20.00	23.06	3.50	4.01	12.00	9.24	9.66	43.50	" "
13.51	12.00	13.53	3.00	4.10	8.00	6.89	6.14	55.83	D.
9.38	17.00	17.81	4.00	4.34	9.00	6.45	6.52	55.50	As declared on label
9.54	17.00	16.15	4.00	4.05	6.50	6.32	8.94	55.00	" "
8.25	12.00	12.29	2.50	2.41	6.00	4.42	6.16	66.47	" "
8.44	18.00	19.31	4.50	4.50	6.00	6.58	7.10	54.07	" "
12.20	13.00	13.79	4.00	4.60	10.00	8.01	7.63	53.77	" "
10.91	24.00	23.96	4.50	5.31	6.50	6.17	7.20	46.45	" "
7.29	17.00	18.95	1.50	2.51	27.00	22.89	9.60	38.76	" " E.
5.03	17.00	19.48	1.50	2.36	27.00	22.56	10.84	39.73	" " F.
4.42	17.00	18.78	1.50	2.53	27.00	21.13	12.96	40.18	" " G.
7.29	13.00	14.65	1.00	1.40	33.00	31.76	7.61	37.29	" " H.
8.93	32.00	33.50	4.00	4.54	10.00	8.29	8.81	35.93	" "
7.97	26.00	27.49	4.00	4.93	10.00	9.74	8.54	41.33	" "
11.43	20.00	20.24	3.50	4.22	12.00	8.96	7.75	47.40	" "
9.95	16.00	16.98	3.00	3.57	12.00	11.36	9.20	48.94	" "

A—Carotene 36 Parts Per Million.
B—Carotene 5.4 Parts Per Million.
C—Total Solids.
X—Fat as determined by the Roese-Gottlieb Method.
D—No Ingredients given on label.
E—Carotene 69 Parts Per Million.
F—Carotene 41 Parts Per Million.
G—Carotene 60 Parts Per Million.
H—Carotene 13.3 Parts Per Million.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Derwood Mill, Derwood, Md. (Continued.)	
Derwood Laying Mash	Derwood
Derwood Laying Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Growing Mash	Derwood
Derwood Baby Chick Starter	Derwood
Derwood Hog Feed	Derwood
Derwood Hog Feed	Derwood
Derwood Scratch Grains	Derwood
Deutsch & Sickert Co., Milwaukee, Wis.	
‡Brewers Dried Grains	Sykesville
Abner Devilbiss, Union Bridge, Md.	
Carrollton Dairy Feed	Union Bridge
Carrollton Laying Mash	Union Bridge
Carrollton Starting & Growing Mash	Union Bridge
Carrollton Pig Meal	Union Bridge
Devilbiss Brothers, New Windsor, Md.	
A-I Laying Mash	New Windsor
Dietrich & Gambrill, Inc., Frederick, Md.	
Gambrill's High Protein Dairy Feed	Baltimore
Gambrill's High Protein Dairy Feed	Sykesville
Gambrill's A I Dairy	Baltimore
Gambrill's A I Dairy	Sykesville
D & G Dairy Feed	Baltimore
Gambrill's 16% Dairy	Baltimore
Gambrill's 16% Dairy	Sykesville
Frederick Laying Mash	Easton
Gambrill's Laying Mash	Berwyn
Gambrill's Growing Mash	Waldorf
D & G Growing & Fitting Ration	Waldorf
D & G Poultry Conditioning Ration	Hagerstown
‡Gambrill's Fattening Mash	Baltimore
D & G Broiler Mash	Baltimore
All Mash Starter & Grower	Easton
Gambrill's Chick Starter	Baltimore
Gambrill's Horse Feed	Baltimore
‡Reground Oat Feed & Molasses	Medford
D & G Hog Supplement	Easton
Gambrill's Hog Meal	Hebron
Pig & Hog Meal	Sykesville
Pig & Hog Meal	Baltimore
Canton Scratch Feed	Baltimore
D & G Turkey Growing Mash	Waldorf
D & G All Mash Turkey Starter	Waldorf
D & G Rabbit Feed	Baltimore
D & G. Rabbit Feed	Waldorf

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.51	20.00	22.07	4.00	5.65	7.00	6.00	10.48	47.29	As declared on label
8.95	20.00	21.90	4.00	5.28	7.00	6.29	9.20	48.38	" "
9.27	19.00	20.92	4.00	6.18	7.00	6.01	9.62	48.00	" "
9.24	19.00	21.30	4.00	4.68	7.00	6.15	9.00	49.63	" "
7.98	18.00	20.05	4.00	4.80	7.00	6.15	5.85	55.17	" "
9.94	18.00	19.06	4.00	5.03	8.00	6.31	9.62	50.04	" "
9.85	18.00	20.22	4.00	4.01	8.00	8.45	9.60	47.87	A.
11.45	10.00	10.40	2.50	2.60	4.00	2.50	1.55	71.50	As declared on label
7.66	24.00	28.96	5.00	7.26	18.00	14.69	3.73	37.70	" "
8.72	17.00	18.16	4.00	4.63	10.00	9.03	3.60	55.86	" "
8.74	17.50	19.04	4.00	5.39	7.00	6.35	8.37	52.11	" "
8.37	18.00	20.18	4.00	5.33	7.00	4.63	8.46	53.03	" "
9.52	18.00	17.99	3.50	3.91	4.50	3.77	6.54	58.27	" "
8.60	20.00	21.41	4.00	5.15	8.00	7.26	8.00	49.58	" "
7.34	32.00	34.06	4.00	4.86	9.00	7.76	7.40	38.58	" "
9.08	32.00	32.64	4.00	5.14	9.00	7.77	7.30	38.07	" "
9.64	24.00	25.13	4.00	4.42	10.00	8.43	5.12	47.26	" "
8.35	24.00	26.09	4.00	4.55	10.00	8.06	5.09	47.86	" "
8.94	20.00	21.17	4.00	3.90	12.00	11.59	7.18	47.22	" "
10.32	16.00	17.63	3.50	3.45	12.00	11.10	5.34	52.16	" "
9.68	16.00	18.80	3.50	4.25	12.00	11.69	5.30	50.28	" "
8.96	18.00	18.95	4.00	5.04	8.00	6.26	9.25	51.54	B.
10.48	20.00	22.64	4.00	4.90	7.00	6.60	8.60	46.78	As declared on label
8.67	18.00	20.36	4.00	5.34	7.00	6.11	10.40	49.12	" "
9.00	13.00	15.37	4.00	3.99	10.00	5.98	7.58	58.08	" "
9.22	15.00	20.88	6.00	6.76	6.00	4.28	11.67	47.19	" "
9.96	14.00	18.34	4.80	4.75	5.00	4.35	6.65	55.95	" "
8.66	18.00	19.66	4.00	5.01	7.00	6.27	7.07	53.33	" "
8.93	16.00	17.72	4.00	4.64	6.00	4.62	8.60	55.49	" "
8.67	18.00	21.06	4.00	4.99	6.00	5.27	7.88	52.13	" "
10.47	10.00	10.81	3.50	3.59	12.00	6.20	2.90	66.03	" "
9.46	4.50	6.18	1.50	1.06	23.00	23.16	7.54	52.60	" "
6.25	40.00	45.11	4.00	6.35	9.00	5.90	18.80	17.59	" "
12.33	18.00	18.13	4.00	3.65	8.00	5.86	7.59	52.44	" "
10.16	18.00	21.25	4.00	4.10	8.00	5.56	7.60	51.33	" "
10.29	18.00	21.04	4.00	3.95	8.00	5.67	6.29	52.76	" "
11.40	10.00	10.50	2.50	2.75	4.00	2.05	1.25	72.05	" "
9.79	20.00	20.09	4.00	3.93	8.00	6.42	11.75	48.02	B.
9.23	24.00	25.71	4.50	4.47	7.00	5.01	13.01	42.57	B.
9.69	14.00	15.09	3.50	3.69	9.50	8.13	7.00	56.40	As declared on label
8.84	14.00	15.53	3.50	3.69	9.50	8.59	7.55	55.80	" "

A—Also detected Linseed Oil Meal.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
T. M. Dinsmore & Co., Baltimore, Md.	
"Dinsco" Tucum Nut Meal	Baltimore
*"Dinsco" Dried Grains	Baltimore
*"Dinsco" Sweet Feed	Baltimore
Wm. H. Dolbey, White Haven, Md.	
*Dolbey's Best Laying Mash	White Haven
Dolbey's Best Growing Mash	White Haven
Dolbey's Best Hog Feed	White Haven
Doughnut Corporation of America, Ellicott City, Md.	
Domaco Pure Winter Wheat Bran	Ellicott City
*Domaco Pure Wheat White Middlings	Ellicott City
The Drackett Products Co., Cincinnati, Ohio	
Drackett Soybean Oil Meal	Baltimore
Dryden Milling Co., Pocomoke City, Md.	
Dryden's Laying Mash	Pocomoke City
Dryden's Growing Mash	Pocomoke City
Dryden's Starting Feed	Pocomoke City
Eagle Mills, Pocomoke City, Md.	
*Dryden's Fish Meal	Pocomoke City
R. C. D. Laying Mash	Pocomoke City
R. C. D. Growing Mash	Pocomoke City
Dryden's Chick Starter	Pocomoke City
Old Virginia Broiler Ration	Pocomoke City
Dryden's Hog Meal	Pocomoke City
Eagle Roller Mill Co., New Ulm, Minn.	
Eagle Rye Middlings with Screenings	Frederick
The Early & Daniel Co., Cincinnati, Ohio	
Tuxedo Dairy 33% Supplement	Oakland
Tuxedo Special 24% Dairy Feed	Oakland
*Tuxedo Special 20% Dairy Feed	Oakland
*Tuxedo Dairy 16%	Frostburg
Tuxedo Special 16% Dairy Feed	Frostburg
Tuxedo Eggmaker Mash	Oakland
Tuxedo Special Eggmash	Pocomoke City
Tuxedo Special Eggmash	Oakland
Tuxedo Special Eggmash	Friendsville
Tuxedo Starting & Growing Allmash	Pocomoke City
Tuxedo Starting & Growing Allmash	Oakland
Tuxedo Starter, Grower & Developer Mash	Pocomoke City
Tuxedo Chop	Oakland
Tuxedo Big Forty Hog Supplement	Oakland
Tuxedo Pig Meal	Friendsville
Eastern Service Corp., Cambridge, Md.	
"Esco" No. 1 Egg Mash	Cambridge
"Esco" Growing Mash	Cambridge

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.01	10.00	10.53	6.00	8.63	12.00	13.01	2.55	56.27	As declared on label
5.14	26.00	26.06	6.00	5.23	12.00	11.83	3.50	48.24	" "
13.11	10.00	8.98	2.00	2.10	12.00	11.10	7.97	56.74	" "
9.32	20.00	18.78	4.00	5.16	8.00	5.76	9.67	51.31	" "
9.06	17.00	18.43	3.50	6.86	7.50	5.50	8.40	51.75	" "
9.96	16.00	15.53	3.50	4.35	6.50	3.60	8.45	58.11	" "
9.42	14.50	18.69	4.00	4.14	9.50	10.00	6.60	51.15	" "
10.43	16.00	18.07	5.00	4.16	4.50	4.02	3.45	59.87	" "
5.63	44.00	47.48	.50	1.36	7.00	5.95	6.95	32.63	" "
8.79	18.00	20.36	4.50	4.72	8.00	8.82	9.35	47.96	" "
9.04	16.00	16.85	3.50	3.76	5.00	5.99	8.55	55.81	" "
9.42	15.50	17.55	3.00	3.71	5.50	5.97	8.00	55.35	" "
6.64	55.00	63.80	7.00	6.39	3.00	.25	15.30	7.62	" "
7.72	20.00	21.85	5.00	6.00	8.00	7.19	8.32	48.92	A.
8.83	16.00	17.99	4.00	4.82	7.00	5.27	9.28	53.81	B.
8.65	16.00	18.08	4.50	4.96	6.00	5.31	7.55	55.45	As declared on label
8.20	18.00	21.41	5.00	5.89	6.00	5.23	8.43	50.84	B.
8.72	18.00	19.22	4.00	4.06	7.00	5.51	9.80	52.69	B.
8.48	15.00	17.38	3.00	3.26	9.50	6.47	4.95	59.46	As declared on label
10.50	33.00	33.80	4.00	4.53	8.50	6.86	9.02	35.29	" "
10.96	24.00	24.84	3.50	3.61	12.00	9.55	9.04	42.00	" "
10.93	20.00	20.41	3.50	2.99	12.00	10.83	9.11	45.73	" "
12.42	16.00	16.64	3.50	2.82	12.50	11.05	9.06	48.01	" "
10.83	16.00	17.77	3.00	3.15	12.50	12.50	9.20	46.55	" "
10.07	20.00	20.59	4.00	4.83	7.00	5.64	8.78	50.09	" "
10.87	20.00	21.08	4.00	4.38	8.00	6.12	9.52	48.03	" "
11.78	20.00	20.36	4.00	4.28	8.00	5.65	8.55	49.38	" "
10.31	20.00	21.50	4.00	3.83	8.00	5.94	7.07	51.35	" "
10.25	17.50	18.08	4.00	4.56	5.00	4.63	7.60	54.88	" "
9.98	17.50	18.74	4.00	4.60	5.00	4.55	7.03	55.10	" "
10.98	17.50	17.58	4.00	4.07	6.50	6.04	5.77	55.56	" "
12.32	9.50	10.37	3.00	3.02	9.00	5.97	13.06	55.26	" "
10.26	40.00	39.94	4.50	4.89	7.00	6.51	13.42	24.98	" "
11.48	14.50	14.51	4.00	4.17	7.00	4.96	7.06	57.82	" "
7.57	18.50	23.17	4.00	5.28	7.50	10.02	11.20	42.76	" "
7.14	18.00	20.01	4.00	5.30	7.00	9.66	13.00	44.89	" "

A—Protein guarantee and ingredients on label differ from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Eastern Shore Feed Co., Easton, Md.	
Sur-Gain Egg Mash	Easton
Sur-Gain 18% Broiler Mash	Easton
Sur-Gain Turkey Grower	Easton
Sur-Gain Turkey Starter Mash	Easton
Eastern States Farmers' Exchange, Springfield, Mass.	
Egg Mash	Snow Hill
Fattener Mash	Snow Hill
Flushing Mash	Snow Hill
Breeder Mash	Snow Hill
Developer	Snow Hill
Starting & Broiler	Snow Hill
Hog Meal	Snow Hill
Calf Starter	Snow Hill
Turkey Starter	Salisbury
Easton Milling Co., Easton, Md.	
Talbot Laying Mash, with Dried Milk	Easton
Talbot Pasture Feed	Easton
Pure Wheat Bran	Easton
Pure Wheat Middlings	Easton
Talbot Scratch Feed	Easton
Eden Milling Co., Pylesville, Md.	
Eagle Laying Mash	Pylesville
Eagle Pig & Hog Feed	Pyelsville
Eagle Brand Starter & Grower	Pylesville
Eagle Brand Turkey Grower	Pylesville
Elam Grain Co., St. Louis, Mo.	
‡Dried Brewers Grains	Centreville
Englar & Sponseller, Westminster, Md.	
Meadow-Brook Laying Mash	Westminster
J. I. Eshelman & Sons, Greencastle, Pa.	
E. L. M. 32% Dairy Feed	
E. L. M. 24% Dairy Feed	
E. L. M. 20% Dairy Feed	
E. L. M. 16% Dairy Feed	
E. L. M. Eggmash	
E. L. M. Special Eggmash	
E. L. M. Chick Starter & Grower	
E. L. M. Hog Ration	
E. L. M. Hog Supplement	
Sure Curl Pig Meal	
E. L. M. Turkey Starter	

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.52	17.00	17.20	5.00	4.90	7.00	6.86	6.87	55.65	As declared on label
9.23	18.00	20.71	4.00	4.72	6.00	5.50	7.55	52.29	" "
8.47	20.00	19.13	4.00	4.79	6.00	7.35	7.50	52.76	" "
8.75	26.00	26.32	5.00	5.28	6.00	5.38	11.37	42.90	" "
7.78	20.00	20.71	4.00	5.14	6.50	6.31	10.60	49.46	" "
9.28	14.50	16.76	4.00	4.58	5.00	4.72	3.50	61.16	" "
6.90	18.50	22.73	3.00	3.81	4.50	3.93	10.20	52.43	" "
8.10	20.00	20.45	4.00	5.29	6.00	5.55	11.50	49.11	" "
8.75	18.50	19.79	3.75	4.54	6.50	6.74	9.58	50.60	" "
9.48	18.50	20.52	4.00	5.07	5.00	5.39	8.23	51.31	" "
10.80	15.00	17.38	3.50	4.34	5.00	3.76	9.01	54.71	" "
9.15	23.00	25.80	4.00	4.13	4.00	3.96	6.31	50.65	" "
8.35	25.00	25.51	4.50	5.21	5.00	4.80	9.72	46.41	" "
10.80	18.00	17.11	4.50	4.91	6.00	4.53	10.31	52.34	" "
10.01	16.00	17.66	3.00	3.73	10.00	7.65	7.64	53.31	" "
10.40	12.00	12.50	3.50	3.65	10.00	7.74	6.17	59.54	" "
10.22	12.00	14.02	2.50	3.19	3.00	2.98	2.37	67.22	" "
11.02	10.00	10.15	3.00	3.20	4.00	3.06	1.40	71.17	" "
10.03	18.00	18.71	4.00	4.32	8.00	7.27	8.03	51.64	" "
9.50	17.00	20.86	4.00	4.27	8.00	6.16	6.86	52.35	" "
9.38	17.00	20.22	4.00	5.14	8.00	6.45	8.44	50.37	" "
8.38	18.00	17.55	4.00	3.89	8.00	6.70	7.30	56.18	" "
6.02	24.00	26.76	5.00	6.23	17.00	15.69	3.70	41.60	" "
8.14	20.45	20.97	5.50	5.24	10.45	8.61	8.56	48.48	" " A.
9.38	32.00	34.24	4.50	4.56	10.00	7.79	9.46	34.57	" "
9.73	24.00	26.94	4.00	3.88	10.00	9.28	8.90	41.27	" "
10.54	20.00	22.34	4.00	3.67	12.00	9.19	8.29	45.97	" "
9.86	16.00	19.31	3.50	3.52	12.00	10.29	7.77	49.25	" "
9.62	18.00	18.69	4.00	4.83	7.00	7.97	9.50	49.39	" "
8.65	20.00	21.15	4.00	4.96	7.00	8.70	10.75	45.79	" "
9.10	18.00	18.60	4.00	5.09	7.00	7.69	7.70	51.82	" "
10.17	15.00	16.58	3.50	3.75	8.00	8.59	8.73	52.18	B.
9.89	35.00	36.94	5.00	4.71	6.00	4.21	13.22	31.03	As declared on label
9.40	18.00	18.56	4.00	4.30	9.00	6.74	8.37	52.63	" "
8.18	24.00	24.48	4.00	5.42	6.00	6.03	8.85	47.04	" "

A—Protein guarantee on label differs from license.
B—Unable to detect Malt Sprouts.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John W. Eshelman & Sons, Lancaster, Pa.	
‡Eshelman Red Rose O. P. Soybean Oil Meal, with Molasses Mineralized	Mt. Lake Park
Eshelman Red Rose Brewers Dried Grains & Molasses	Greensboro
Eshelman Red Rose 32 Mixing Ration	Salisbury
Eshelman Red Rose 32 Mixing Ration	Walkersville
Eshelman Challenge Dairy Feed	Cumberland
Eshelman Red Rose 24 Dairy Feed	Salisbury
Eshelman Red Rose 24 Dairy Feed	Walkersville
Eshelman Conestoga 20 Dairy Feed	Salisbury
Eshelman Pennsy 16 Dairy Feed	Salisbury
Eshelman Pennsy 16 Dairy Feed	Walkersville
Eshelman Red Rose Laying Mash	Princess Anne
Eshelman Red Rose Laying Mash, with Cod Liver Oil	Salisbury
Eshelman Pennsy Laying Mash, with Cod Liver Oil	Hyattsville
Eshelman Red Rose Growing Mash, with Cod Liver Oil	Salisbury
Eshelman Red Rose 36% Supplement Mash	Walkersville
Eshelman Delmarva Broiler Feed, with Cod Liver Oil	Berlin
Eshelman Red Rose Broiler Ration, with Cod Liver Oil	Princess Anne
Eshelman Red Rose All-Mash Starter, with Cod Liver Oil	Hancock
Eshelman Red Rose All-Mash Starter, with Cod Liver Oil	Salisbury
Eshelman Red Rose All-Mash Starter, with Cod Liver Oil	Baltimore
Eshelman Red Rose All-Mash Starter & Grower, with Cod Liver Oil	Baltimore
Eshelman Red Rose All-Mash Starter & Grower, with Cod Liver Oil	Hancock
Eshelman Red Rose 85 Horse Feed	Baltimore
Eshelman S. O. S.	Baltimore
Eshelman Garden Spot Horse Feed	Salisbury
Eshelman Red Rose Pig & Hog Meal	Baltimore
Eshelman Red Rose Pig & Hog Meal	Salisbury
*Eshelman Red Rose Calf Starter	Salisbury
Eshelman Red Rose Turkey Grower, with Cod Liver Oil	Baltimore
Evans Milling Co., Indianapolis, Ind.	
Emco Hominy Feed	Hagerstown
Fairfield Western Maryland Dairy Corp., Baltimore, Md.	
Skim Milk Powder	Baltimore
Skim Milk Powder	Frederick
The Fairmont Creamery Co., Omaha, Neb.	
Fairmont's Better Brand Pure Flake Buttermilk	Mt. Airy
Farmers Cooperative Association, Inc., Frederick, Md.	
Farco Brewers Grains & Molasses	Frederick
Farco 32% Supplement	Frederick
Farco 24% Milk Producer. .	Frederick
Farco 16% Dairy Feed	Frederick
Farco Egg Producer	Frederick
Farco Growing Mash	Frederick

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.32	32.00	37.68	3.50	4.71	6.00	5.44	9.14	32.71	As declared on label
7.46	19.50	21.00	4.50	5.53	15.00	13.69	4.83	47.49	" "
9.04	32.00	34.53	4.50	4.89	9.00	7.12	7.80	36.62	" "
8.10	32.00	32.76	4.50	5.20	9.00	8.71	7.39	37.84	" "
10.22	24.00	23.78	4.00	4.40	11.00	8.81	7.44	45.35	" "
9.76	24.00	24.91	4.00	4.27	11.00	8.26	7.80	45.00	" "
8.73	24.00	26.14	4.00	4.48	11.00	9.15	8.09	43.41	" "
10.17	20.00	21.58	4.00	4.05	11.00	8.65	8.15	47.40	" "
10.57	16.00	17.54	3.00	3.67	11.00	8.04	7.60	52.58	" "
9.89	16.00	17.68	3.00	4.65	11.00	10.80	8.20	48.78	" "
8.86	20.00	23.17	5.00	4.96	7.50	6.91	9.45	46.65	" "
8.73	20.00	22.73	5.00	5.03	7.50	6.44	9.05	48.02	" "
10.16	18.00	19.57	4.50	4.86	8.00	7.62	7.96	49.83	" "
9.31	16.00	19.83	4.00	5.14	7.50	7.11	8.30	50.31	" "
7.58	36.00	37.02	4.00	5.41	7.50	7.38	14.52	28.09	" "
9.25	18.50	21.24	4.50	4.56	7.00	7.07	7.63	50.25	" "
8.34	18.00	21.94	4.50	5.10	7.50	7.13	8.75	48.74	" "
9.15	16.00	17.29	4.00	4.29	6.50	5.89	8.81	54.57	" "
9.92	16.00	17.72	4.00	4.52	6.50	5.84	7.50	54.50	" "
9.51	16.00	18.25	4.00	4.57	6.50	6.05	9.51	52.11	" "
8.79	16.00	17.72	4.00	4.85	7.00	7.81	9.44	51.39	" "
9.41	16.00	17.20	4.00	4.61	7.00	7.02	8.89	52.87	" "
10.13	9.00	9.95	3.00	3.88	10.00	7.27	3.71	65.06	" "
8.59	11.00	12.12	2.00	2.31	15.00	14.83	8.24	53.91	" "
12.07	7.00	8.35	2.00	2.50	11.00	9.01	5.12	62.95	" "
9.65	18.00	20.36	4.00	4.73	10.00	7.71	7.44	50.11	" "
9.02	18.00	20.27	4.00	4.44	10.00	7.73	8.20	50.34	" "
9.22	22.00	20.88	4.00	5.08	5.00	3.93	5.77	55.12	" "
9.19	18.00	21.50	4.25	4.68	8.00	8.01	7.50	49.12	" "
8.52	10.00	11.58	6.00	7.53	6.00	6.08	4.25	62.04	" "
.....	35.00	36.59	.50	X1.04	.....	.....	7.96	.....	" "
.....	35.00	37.12	.50	X1.13	.....	.....	8.20	.....	" "
.....	32.00	33.70	6.00	X6.05	.....	.....	9.76	.....	" "
8.55	22.00	24.56	5.00	6.88	15.00	14.73	3.78	41.50	" "
7.06	32.00	34.41	3.00	4.83	7.00	7.06	11.92	34.72	
8.69	24.00	26.81	3.50	4.41	12.00	7.60	8.08	44.41	" "
8.84	16.00	21.10	3.00	3.87	14.00	8.12	4.49	53.58	" "
7.38	18.00	22.80	4.00	5.81	7.00	5.71	10.38	47.92	" "
7.19	18.00	20.07	4.00	5.04	8.00	4.78	6.35	56.57	" "

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Farmers Cooperative Association, Inc., Frederick, Md. (Continued)	
Farco Starting Mash	Frederick
Farco 40% Hog Supplement	Frederick
Farco Pig & Hog Meal	Frederick
Farco Calf Meal	Frederick
Farmers Cooperative, Inc., Union Bridge, Md.	
Big Check Dairy Feed 32	Union Bridge
Echo Brand Egg Mash	Union Bridge
Farmco Laying & Breeding Mash	Union Bridge
Farmco Ultra-Lifted Chick & Grower	Union Bridge
Prize Porker Pig & Hog Feed	Union Bridge
Farmers Feed Co., New York, N. Y.	
"Bull Brand" Dried Brewers Grains	Derwood
Farmers Fertilizer & Feed Co., Westminster, Md.	
‡Fish Meal	Westminster
Farmers' 24% Dairy Feed	Westminster
Farmers' Favorite Laying Mash	Westminster
Farmers' Favorite Growing Mash	Westminster
Farmers' Favorite Starting Mash	Westminster
Farmers' Favorite Pig Meal	Westminster
The Farmers Feed & Supply Co., Cumberland, Md.	
Richardson's Quality 20% Laying Mash	Cumberland
Richardson's Quality Broiler Ration	Cumberland
Richardson's Quality Chick Starter & Grower	Cumberland
The Farmers Supply Co., Inc., Denton, Md.	
Fasuco Laying Mash	Denton
*Fasuco Hog Feed	Denton
Farmers Supply Co., Walkersville, Md.	
Farmers Supply Chicken Mash	Walkersville
*Farmers Supply Hog Feed	Walkersville
Feed-Mor Products Co., Westminster,, Md.	
Feed-Mor Meat Meal	Frederick
Feed-Mor Tankage	Westminster
Feed Products Co., Baltimore, Md.	
Fepco Fish Meal	Ingleside
Fepco Fish Meal	Reisterstown
Fep-Co-Midds	Medford
Felton & Kelly, Frederick, Md.	
Laying Mash Our Brand Egg Mash	Ceresville
Hog Meal Our Brand Pork Maker	Ceresville

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.56	17.00	19.64	4.00	4.96	7.00	4.85	6.31	56.68	As declared on label
6.04	40.00	44.49	4.00	6.75	8.00	5.37	6.80	30.55	" "
8.93	16.50	18.23	4.50	4.55	5.50	4.31	6.88	57.10	" "
9.04	18.00	20.27	3.50	3.72	4.00	3.64	6.35	56.98	" "
8.04	32.00	34.54	5.00	4.97	9.00	7.59	8.83	36.03	" "
8.66	16.00	20.25	4.00	5.41	6.00	5.12	8.68	51.88	" "
9.48	19.00	19.48	4.00	4.24	7.00	4.92	8.85	53.03	" "
9.77	17.00	20.01	3.50	4.49	6.00	5.36	7.72	52.65	" "
8.95	14.00	15.97	3.50	4.13	6.00	4.89	5.63	60.43	" "
4.62	26.00	27.20	6.00	7.07	17.00	15.52	3.90	41.69	" "
6.61	55.00	66.61	6.00	4.39	3.00	.44	17.08	4.87	" "
9.48	24.00	26.68	4.00	4.32	12.00	10.53	8.90	40.09	" "
10.57	19.00	21.06	4.00	4.22	10.00	8.76	6.80	48.59	" "
10.77	17.00	18.43	4.00	3.70	6.50	8.54	7.10	51.46	" "
9.80	15.00	17.99	3.80	4.35	7.00	8.33	4.76	54.77	A.
11.18	18.00	18.87	5.00	5.17	10.00	7.30	8.40	49.08	As declared on label
10.21	20.00	23.02	4.00	4.15	7.00	6.17	8.71	47.74	" "
10.22	19.00	19.83	4.00	4.23	7.00	6.28	5.85	53.59	" "
9.68	18.00	19.13	4.00	4.58	7.00	6.63	7.15	52.83	" "
8.69	20.00	21.76	5.00	4.73	8.00	7.21	10.45	47.16	" "
9.41	15.00	15.88	5.00	4.21	7.00	4.89	8.89	56.72	" "
9.70	18.00	19.74	4.00	4.68	6.00	6.63	6.46	52.79	B.
9.65	18.00	17.29	4.00	3.45	4.50	6.01	9.56	54.04	B.
4.70	55.00	56.86	5.00	11.39	4.00	2.32	21.30	3.43	As declared on label
6.14	45.00	49.84	5.00	10.88	2.50	2.35	28.54	2.25	" "
8.76	58.00	64.59	4.00	5.02	2.00	.29	16.40	4.94	" "
7.01	58.00	65.11	4.00	7.17	2.00	.30	15.62	4.79	" "
4.12	15.00	17.64	6.50	11.95	9.00	6.44	5.90	53.95	" "
9.05	17.50	17.99	5.00	4.53	5.00	5.78	10.10	52.55	" "
10.24	17.50	17.72	4.00	4.00	8.00	5.62	10.72	51.70	" "

A—Ingredients on label differ from license.
B—Protein guarantee and ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Fernando Valley Milling & Supply Co., Van Nuys, Calif.	
Alfalfa Leaf Meal Ideal Poultry Greens	Cambridge
‡Fernando Special Fine Ground Alfalfa	Ingleside
Ferneau Grain Co., Blanchester, Ohio	
F Corn Distillers Dried Grains	Hagerstown
The Fox Co., Newfield, N. J.	
Fox Fish Meal	Salisbury
Fox Skim Milk Powder	Berlin
Fullerton Supply Co., Overlea, Baltimore, Md.	
Fullerton 24% Dairy Feed	Overlea
Fullerton Laying Mash	Overlea
Fullerton Starting & Growing Mash	Overlea
Fullerton Poultry Scratch	Overlea
Funk Brothers Seed Co., Bloomington, Ill.	
Funk's 41% Protein Soybean Oil Meal	Frederick
Galestown Milling Co., Seaford, Del.	
All purpose Mash	
Pure Wheat Bran	
Pure Wheat Middlings	
G. M. C. Scratch	
Gall & Smith, Thurmont, Md.	
Gall & Smith Laying Mash	Thurmont
Gall & Smith Growing Mash	Thurmont
Gall & Smith Chick Starter	Thurmont
The Gambrill Grain Products Co., Baltimore, Md.	
Gambrill's AA Laying Mash	Baltimore
Gambrill's AA Growing Mash	Baltimore
*Gammalt	Baltimore
Special G. M. B. Feed	Baltimore
Gardiner & Yowaski Milling Co., Chaptico, Md.	
*Chaptico Laying Mash	Chaptico
Superior Growing Mash, with Cod Liver Oil & Dried Buttermilk	Chaptico
L. E. Gellerman, Baltimore, Md.	
Morrell Scratch	Baltimore
Georgia Distributing Co., Atlanta, Ga.	
‡45% Protein Peanut Meal	Cambridge
41% Protein Peanut Meal	Frederick

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
6.73	20.00	19.92	2.50	2.47	18.00	18.39	11.95	40.54	As declared on lab. A
8.44	13.00	13.86	1.50	1.25	33.00	32.90	8.84	34.71	" " B.
5.37	28.00	28.61	9.00	11.43	14.00	11.82	2.10	40.67	" "
6.22	55.00	56.77	3.00	4.87	3.00	.19	17.30	14.65	" "
.....	32.00	33.40	1.00	X1.06	.....	.....	8.55	.....	" "
8.19	24.00	26.06	5.00	5.64	10.00	8.94	6.70	44.47	" "
8.26	20.00	21.67	4.50	5.82	6.50	6.46	10.30	47.49	" "
9.28	16.00	17.99	4.50	5.00	6.00	5.70	7.70	54.33	" "
10.70	10.00	10.26	3.00	3.05	4.50	3.10	1.40	71.49	" "
9.29	41.00	43.44	4.50	5.61	7.00	5.39	6.20	30.07	" "
8.29	15.50	18.87	4.00	5.04	7.00	6.03	8.40	53.37	As declared on label
9.70	14.00	14.01	3.50	4.30	10.00	8.60	6.30	57.09	" "
9.30	14.00	14.12	3.50	3.60	5.00	4.07	2.70	66.21	" "
11.60	9.00	9.50	3.00	3.04	4.00	1.90	1.75	72.21	" "
9.05	20.00	20.71	4.50	4.20	7.00	6.63	9.56	49.85	C.
10.35	16.00	16.94	4.00	4.44	7.50	6.03	7.45	54.79	As declared on label
9.33	18.00	19.48	4.50	4.79	7.00	6.29	9.07	51.04	C.
8.24	20.00	20.80	3.50	5.42	8.00	5.58	8.66	51.30	As declared on label
7.73	16.00	17.20	4.00	5.05	7.00	6.10	8.55	55.37	" "
7.18	13.00	14.30	2.70	2.08	5.00	6.23	3.62	66.59	" "
6.12	13.00	13.25	2.00	2.40	11.00	11.70	4.06	62.47	" "
9.23	20.00	18.34	5.00	5.69	6.50	5.20	8.95	52.59	" "
9.01	17.00	16.59	4.25	4.73	5.00	6.19	9.55	53.93	" "
11.40	9.00	10.05	2.50	3.11	5.00	2.00	1.85	71.59	" "
7.86	45.00	44.97	6.00	6.46	12.00	13.69	5.55	51.47	
6.61	41.00	41.07	6.00	5.92	14.00	17.83	5.76	22.81	As declared on label

A—Carotene 94 Parts Per Million.
B—Carotene 18 Parts Per Million.
X—Fat as determined by the Roese-Gottlieb Method.
C—Fat and Fibre guarantee and Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Glade Valley Milling Co., Walkersville, Md.	
*Gee-Vee 32% Dairy Feed	Walkersville
Gee-Vee 20% Dairy Feed	Walkersville
Gee-Vee Laying Mash	Walkersville
Gee-Vee Growing Mash	Walkersville
Gee-Vee Starting Mash	Walkersville
The Glidden Company, Soya Products Division, Chicago, Ill.	
Glidden 4 Hi New Process 44% Protein Soybean Oil Meal Diamond "G" Brand	Hampstead
Goldsboro Milling Co., Goldsboro, Md.	
Marvels Egg Mash	Goldsboro
William Gower & Son, Williamsport, Md.	
Pig & Hog Feed	Spielman
The Great Atlantic & Pacific Tea Co., New York, N. Y.	
Milky Way Dairy Feed 24%	Oakland
Milky Way Dairy Feed 20%	Oakland
Daily Milk Dairy Feed	Oakland
Daily Egg Laying Mash Feed	Baltimore
Daily Growth Broiler Mash	Baltimore
Daily Growth Chick Starter	Baltimore
Daily Growth Chick Starter	Oakland
Daily Growth Fine Chick Feed	Baltimore
Daily Pig Meal	Oakland
Talco Scratch Feed	Baltimore
Daily Egg Scratch Feed	Baltimore
Green Acre Farms, Nazareth, Pa.	
Green Acres Brand Alfalfa Meal	Hagerstown
Green Mish Co., Inc., Silver Spring, Md.	
‡"Green Tag Prime" Cotton Seed Meal	Gaithersburg
"Green Tag Prime" Cotton Seed Meal	Gaithersburg
Greensboro Milling Company, Greensboro, Md.	
Riddleberger Poultry Mash	Greensboro
William D. Groff, Owings Mills, Md.	
Wil-Gro Laying Mash	Owings Mills
Hales & Hunter Co., Chicago, Ill.	
Red Horn 24% Dairy Feed, with Flaked Corn & Crimped Oats	Cumberland
Red Horn 20% Dairy Feed, with Flaked Corn & Crimped Oats	Baltimore
Gold Flake 16% Dairy Feed	Cumberland
Red Comb Egg Mash	Cumberland
Red Comb Egg Mash	Baltimore
Red Comb Growing Mash	Pocomoke City
Red Comb Broiler Mash	Baltimore
Red Comb Broiler Mash	Federalsburg

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.35	32.00	33.26	6.00	3.99	11.00	7.63	8.08	39.69	A.
8.52	20.00	22.64	3.00	3.29	9.00	7.51	7.30	50.74	As declared on label
8.44	18.00	18.28	4.00	5.39	7.50	4.69	7.87	55.33	" "
10.90	16.00	16.76	3.75	4.36	6.50	5.20	7.25	55.53	A.
9.53	17.00	18.60	4.00	4.54	6.50	4.23	8.38	54.72	A.
8.43	44.00	44.93	.50	.71	7.00	5.97	6.46	33.50	As declared on label
9.17	20.00	21.15	4.51	5.65	9.00	7.71	8.95	47.37	" "
10.08	16.00	16.12	4.00	3.77	8.00	4.51	4.58	60.94	" "
11.66	24.00	24.78	2.75	3.78	9.00	7.68	9.90	42.20	" "
12.12	20.00	21.11	2.75	3.34	9.00	8.40	9.70	45.33	" "
11.04	16.00	16.07	3.00	3.47	12.00	10.95	11.64	46.83	" "
9.33	20.00	19.31	3.75	4.55	7.00	5.49	13.25	48.07	" "
8.66	18.00	18.16	3.50	4.19	6.00	5.71	11.43	51.85	" "
9.53	17.00	15.80	4.50	4.99	4.50	4.42	10.55	54.71	" "
10.22	16.50	16.50	4.50	4.50	4.50	4.49	8.41	55.88	" "
11.60	10.00	10.49	3.00	3.14	3.50	2.20	1.86	70.71	" "
9.62	27.00	27.79	4.00	5.33	6.25	8.06	13.12	36.08	" "
11.50	10.00	10.22	2.50	3.01	5.00	2.00	1.96	71.31	" "
10.98	10.00	10.45	2.50	3.14	5.00	2.20	1.89	71.34	" "
5.99	10.00	9.65	1.50	2.89	33.00	25.74	10.20	43.53	" " B.
5.89	41.00	41.77	5.00	6.84	13.00	10.68	6.85	27.97	" "
6.84	41.00	41.33	5.00	5.66	13.00	11.78	6.15	28.24	" "
10.49	17.00	16.23	4.00	4.08	7.00	5.80	8.30	55.10	" "
8.60	18.00	18.25	5.00	4.95	8.00	8.20	9.97	50.03	" "
10.40	24.00	25.57	4.00	3.65	12.00	6.62	7.18	46.58	" "
8.66	20.00	22.62	4.00	3.88	10.00	7.53	8.28	49.03	" "
12.05	16.00	19.15	3.00	3.30	15.00	10.05	8.03	47.42	" "
8.41	18.00	18.87	4.00	4.53	7.00	5.95	10.70	51.54	" "
8.03	18.00	19.66	4.00	4.15	7.00	5.84	9.69	52.63	" "
10.05	16.00	18.08	4.00	4.39	7.00	6.77	7.95	52.76	" "
9.51	18.00	19.66	4.00	3.59	7.00	5.76	7.40	54.08	" "
8.45	18.00	21.67	4.00	4.07	7.00	5.61	8.00	52.20	" "

A—Ingredients on label differ from license.
B—Carotene 49 parts per million.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hales & Hunter Co., Chicago, Ill. (Continued.)	
Red Comb Flushing Mash	Pocomoke City
Red Comb Crate Fattener	Baltimore
Red Comb Chick Starter	Baltimore
Red Comb Chick Starter	Federalsburg
Morning Glory Coarse Chick	Baltimore
Morning Glory Fine Chick	Baltimore
Kingfalfa Horse Feed	Baltimore
‡H. & H. Quality Fine Ground Feeding Oatmeal	Hagerstown
*Pioneer Pig & Hog Feed 20%	Annapolis
Red Horn Calf Meal	Baltimore
Red Comb Pigeon Feed (With Corn)	Baltimore
Red Comb Pigeon Feed (No Corn)	Annapolis
C. A. Hall, Girdletree, Md.	
Hall's Laying Mash	Girdletree
Dwight Hamlin Co., Pittsburgh, Pa.	
"Hamlins Dried Brewers Grains"	Frederick
Hampstead Fertilizer Co., Hampstead, Md.	
R-E-M (Home Made Laying Mash)	Hampstead
Home Made Hog Feed	Hampstead
Hancock Flour & Feed Co., Hancock, Md.	
Potomac Laying Mash	Hancock
Potomac Chick Starter	Hancock
Frank Harbaugh, Middleburg, Md.	
Use More Dairy Feed	Middleburg
Use More Egg & Growing Mash	Middleburg
Use More Pig & Hog Meal	Middelburg
U. L. Harman, Marydel, Del.	
Mary-Del Egg Mash	
"Harman's Best" Laying Mash	
Harrington Milling Co., Harrington, Del.	
Harrington Laying Mash	
Pure Wheat Bran	
Hartsville Oil Mill, Hartsville, S. C.	
‡41% Protein Cotton Seed Meal	Silver Spring
‡36% Protein Cotton Seed Meal	Washington Grove
Hercules Powder Co., Dairy Products Div., Chicago, Ill.	
Hercules Dried Whey	Hagerstown

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.58	12.00	12.46	3.00	2.89	5.00	4.52	5.27	66.28	As declared on label
9.62	13.00	14.22	3.50	3.53	7.00	5.08	5.80	61.75	" "
9.56	18.00	18.78	4.00	4.03	6.00	4.90	7.20	55.53	" "
9.63	18.00	20.71	4.00	4.07	6.00	5.13	8.00	52.46	" "
11.70	10.00	10.15	2.50	2.60	4.00	2.40	2.15	71.00	" "
11.60	10.00	10.20	2.50	2.65	4.00	2.35	2.10	71.10	" "
10.55	9.00	11.27	2.50	3.44	10.00	6.67	3.91	64.16	" "
7.48	12.00	14.48	4.50	5.59	4.00	3.08	2.42	66.95	" "
8.37	20.00	23.69	4.00	3.26	7.00	5.90	8.50	50.28	" "
8.22	18.00	20.27	3.00	3.28	5.00	4.73	6.50	57.00	" "
9.80	12.00	12.15	3.00	3.20	5.00	4.60	2.60	67.65	" "
9.70	12.00	12.20	2.50	2.65	5.00	4.55	2.50	68.40	" "
9.29	16.00	16.41	4.50	4.42	6.50	6.23	6.99	56.66	
6.31	24.00	27.82	6.00	6.59	18.00	14.81	3.90	40.57	" "
7.91	20.00	20.01	4.50	4.35	8.00	8.06	8.50	51.17	As declared on label
8.81	15.00	18.43	4.00	4.42	8.00	7.39	6.56	54.39	" "
10.10	18.00	18.08	4.00	3.78	7.00	6.29	7.81	53.94	" "
10.26	18.00	18.08	4.00	3.80	7.00	5.88	8.40	53.58	" "
8.71	16.50	20.69	4.00	4.25	10.00	10.74	6.29	49.32	A.
9.34	20.00	20.36	4.00	4.78	7.00	5.74	7.90	51.88	As declared on label
8.90	19.00	18.95	5.00	4.60	5.00	4.98	9.55	53.02	" "
9.04	18.00	20.18	4.50	4.96	8.00	7.80	10.60	47.42	" "
9.06	20.00	22.11	5.00	5.32	7.00	5.57	10.25	47.69	" "
9.45	16.75	16.15	3.87	4.84	8.90	7.28	7.95	54.33	B.
10.18	12.00	12.46	2.50	3.18	10.00	9.49	5.66	59.03	As declared on label
6.92	41.00	41.33	5.00	6.59	13.00	11.37	6.80	26.99	" "
11.79	36.00	37.56	5.00	6.08	16.00	13.69	6.60	24.28	" "
.....	11.50	12.02	.20	X1.10	.....	.....	8.60		" "

A—Ingredients on label differ from license.
B—Protein; Fat and Fibre guarantee and Ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Hershey Milling Co., Inc., Hagerstown, Md.	
Hersco Egg Mash	Hagerstown
Hershey Champion Egg Mash	Hagerstown
Hershey Champion Growing Mash	Hagerstown
Hershey Champion Chick Starter Mash	Hagerstown
Hershey Champion Pig & Hog Meal	Hagerstown
Hershey Pure Wheat Bran	Hagerstown
Hershey Special Scratch Feed	Hagerstown
Hespenheide & Thompson, Inc., York, Pa.	
Dictator 24% Dairy Feed	Denton
Premier 16 Dairy Feed	Denton
Premier 16 Dairy Feed	Chewsville
Premier Egg Mash, with Buttermilk, Charcoal & Minerals with Cod Liver Oil	Rising Sun
Premier Egg Mash, with Buttermilk, Charcoal & Minerals with Cod Liver Oil	Jarrettsville
York Laying Mash	Jarrettsville
York Laying Mash Pelleted	Chewsville
Premier Growing Mash, with Cod Liver Oil	Jarrettsville
Premier Broiler Ration	Rising Sun
Premier Starting & Growing Mash, with Cod Liver Oil	Rising Sun
Premier Starting & Growing Mash, with Cod Liver Oil	Chewsville
Premier Pig & Hog Meal	Jarrettsville
Premier No. 2 Pigeon Feed	Jarrettsville
Premier Turkey Starter	Jarrettsville
A. Hiberman, Baltimore, Md.	
‡Special Super-Fat Fattening Mash	Baltimore
‡Super-Fat Fattening Mash	Baltimore
D. E. Horn & Co., York, Pa.	
‡Horn's Blue-Streak 60% Horse Feed	Bel Air
‡Horn's Diamond Hen Grains	Bel Air
‡Horn's Diamond Chick Grains	Bel Air
John P. Howard, Hagerstown, Md.	
Howard's Laying Mash	Hagerstown
Howard's Scratch Grains	Hagerstown
Howard's Pigeon Feed, with Corn	Hagerstown
Howard's Pigeon Feed, without Corn	Hagerstown
Hubbard Milling Co., Mankato, Minn.	
Hubbard's Sunshine Dairy Concentrate	Hagerstown
Hubbard's Sunshine Concentrate, with Cod Liver Oil	Easton
‡Hubbard's Sunshine Concentrate, with Molasses	Hagerstown
Hubbard's Sunshine Scratch Grains	Easton
Humphreys-Godwin Co., Memphis, Tenn.	
Dixie Brand Prime 41% Protein Cottonseed Meal	Hagerstown
Dixie Brand Prime 41% Protein Cottonseed Meal	Frederick

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.35	17.00	16.67	4.00	4.41	7.00	6.31	7.40	55.86	A.
8.65	20.00	19.92	4.00	4.77	7.50	7.06	9.30	50.30	As declared on label
9.35	18.00	17.99	4.00	4.73	7.00	6.94	7.08	53.91	" "
9.36	18.00	17.99	4.00	5.00	6.00	6.46	6.83	54.36	" "
9.04	15.00	17.20	4.00	3.80	7.00	6.06	9.70	54.20	" "
9.90	15.00	15.15	4.00	4.20	9.50	9.20	6.80	54.75	" "
11.30	10.00	10.04	2.50	2.60	5.00	4.25	1.65	70.16	B.
9.67	24.00	24.77	3.50	3.83	12.00	6.79	8.17	46.77	As declared on label
9.06	16.00	19.09	3.00	3.24	12.00	10.71	11.85	46.05	" "
10.05	16.00	16.12	3.00	3.97	12.00	11.64	12.67	45.55	" "
8.91	20.00	20.80	4.50	4.58	7.00	6.68	11.95	47.08	" "
9.12	20.00	20.18	4.50	4.87	7.00	8.05	12.25	45.53	" "
8.69	20.00	20.91	3.00	4.33	7.00	6.77	11.35	47.95	" "
9.29	20.00	20.18	3.00	4.90	7.00	6.72	10.93	47.98	" "
9.08	17.00	18.87	4.00	4.46	7.00	7.66	10.10	49.83	" "
8.59	18.50	18.78	4.00	4.90	6.00	6.32	9.34	52.07	" "
9.73	16.00	17.90	4.00	4.60	6.00	6.01	9.17	52.59	" "
10.26	16.00	19.39	4.00	4.88	6.00	5.36	9.60	50.51	" "
8.68	16.00	16.54	4.00	5.33	7.00	7.08	12.11	50.26	" "
9.20	12.00	12.20	3.00	3.25	6.00	4.30	3.01	68.04	" "
8.07	24.00	24.92	4.00	6.25	8.00	6.41	13.43	40.92	C.
8.66	14.00	14.57	5.00	5.01	7.00	6.25	12.46	53.05	As declared on label
8.26	13.00	14.22	4.00	5.78	7.00	5.82	5.97	59.95	" "
12.87	9.00	11.93	2.50	2.92	11.00	9.96	6.52	55.80	D.
10.19	9.50	10.11	2.50	3.03	4.00	2.15	1.92	72.60	As declared on label
10.83	10.00	10.47	3.00	3.32	3.00	1.81	1.72	71.85	" "
9.58	18.00	18.60	5.00	4.77	7.00	5.82	11.15	50.08	" "
10.10	10.00	10.25	2.50	2.60	4.00	1.70	1.40	73.95	" "
11.33	12.50	13.17	3.25	3.96	3.50	3.03	2.79	65.72	" "
10.87	14.00	14.67	3.00	3.31	4.00	3.19	3.13	64.83	" "
6.50	35.00	37.03	3.00	3.58	7.00	6.25	15.15	31.49	" "
6.71	32.00	32.82	5.00	6.02	7.00	6.74	15.00	32.71	" "
7.72	26.00	26.61	3.50	4.45	6.00	4.98	14.07	42.17	" "
10.80	9.50	9.70	2.00	2.50	3.50	2.40	1.50	73.10	E.
5.56	41.00	41.86	5.00	6.06	12.00	12.11	6.45	27.96	As declared on label
6.33	41.00	40.98	5.00	6.24	12.00	9.99	7.65	28.81	" "

A—Ingredients on label differ from license.
B—Unable to detect Barley—also detected Oats.
C—Protein guarantee and Ingredients on label differ from license.
D—No Ingredients given on label.
E—Protein; Fat and Fibre guarantee on label differ from license. Unable to detect Sunflower Seed.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Humphries Supply Co., Glyndon, Md.	
Wheeler Special Laying Mash	Glyndon
Hurlock Milling Co., Hurlock, Md.	
*Quality Laying Mash	Hurlock
Quality Pig Meal	Hurlock
Pure Wheat Bran	Hurlcok
Pure Wheat Middlings	Hurlock
Ingleside Milling Co., Ingleside, Md.	
Ingleside Laying Mash	Ingleside
Ingleside Turkey Mash	Ingleside
International Milling Co., Minneapolis, Minn.	
Blackhawk Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.	Baltimore
Blackhawk Wheat Standard Middlings, with Ground Screenings N. Ex. M. R.	Sykesville
Jerusalem Mills, Kingsville, Md.	
"Maryland" 16% Dairy Feed	Kingsville
"Maryland" Egg Mash	Kingsville
"Maryland" Growing Mash	Kingsville
"Maryland" Pig & Hog Meal	Kingsville
The R. D. Johnson Milling Co., Cumberland, Md.	
"Atlas" Dairy Feed	Cumberland
"Atlas" Egg Mash	Cumberland
*‡"Atlas" Chick Feed	Cumberland
‡"Atlas" Starter & Grower Mash	Cumberland
‡"Atlas" Horse Feed	Cumberland
"Atlas" Stock Feed	Cumberland
Kasco Mills, Inc., Waverly, N. Y.	
*Kasco 32% Mixing Feed	Cumberland
Kasco Mormilk Dairy Ration	Linwood
Beatsall Milk Grains	Oakland
Apex 20% Dairy Ration	Baltimore
Kasco Sweet 16% Dairy Feed	Hagerstown
Kasco Farm Feed	Oakland
Kasco Egg Producer	Baltimore
Kasco Egg Producer	Hagerstown
‡Apex Egg Mash	Hagerstown
Kasco All Mash Laying & Breeding Ration	Manchester
Kasco Laying & Breeding Mash	Baltimore
Kasco All Mash Grower	Baltimore
Apex Growing Mash	Hagerstown
Apex Complete Grower	Baltimore
Apex Complete Grower	Baltimore
Kasco Mash Supplement	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.86	20.00	19.92	4.50	5.24	7.00	8.57	9.72	47.69	As declared on label
8.65	20.00	20.77	4.95	4.03	9.62	7.70	8.85	50.00	As declared on label
8.35	18.00	20.01	4.50	4.88	8.00	5.26	9.23	52.27	A.
9.36	14.50	14.85	4.00	4.25	9.00	7.60	5.96	57.98	As declared on label
10.25	14.50	14.38	4.00	4.10	9.00	5.51	3.76	62.00	" "
8.10	18.00	19.39	4.00	3.99	9.00	9.25	9.93	49.34	" "
9.30	20.00	21.50	4.50	5.47	10.00	8.45	9.90	45.38	B.
9.06	16.00	17.55	4.50	5.03	8.50	9.65	5.62	53.09	As declared on label
8.60	16.00	17.90	4.00	5.14	9.00	8.63	4.05	55.68	" "
9.81	16.00	17.74	3.00	4.08	11.00	6.91	8.15	53.31	" "
8.87	20.00	21.41	4.00	4.91	8.00	7.01	11.17	46.63	" "
9.41	20.00	19.77	4.00	5.21	8.00	5.91	10.35	49.35	" "
10.32	18.00	17.99	4.00	4.33	6.00	4.01	8.50	54.85	" "
9.28	16.00	17.29	4.30	4.19	6.10	7.00	10.95	51.29	C.
8.04	18.00	19.66	4.00	4.51	7.00	6.33	20.20	41.26	D.
11.69	11.00	10.00	4.00	2.95	4.00	2.80	1.90	70.66	E.
9.01	17.50	17.72	4.00	3.79	7.00	8.11	9.48	51.89	F.
11.45	8.00	10.16	3.00	4.35	10.00	6.98	3.20	63.86	G.
9.38	9.00	9.13	3.45	4.71	4.10	10.67	4.52	61.59	D.
10.35	32.00	29.80	4.00	4.16	10.00	7.70	7.56	40.43	As declared on label
9.84	24.00	26.26	4.00	4.48	10.00	7.35	6.92	45.15	" "
10.42	22.00	23.21	4.00	3.93	10.00	7.50	6.76	48.18	" "
8.71	20.00	21.15	3.50	4.20	12.00	11.15	8.96	45.83	" "
9.63	16.00	16.87	3.50	4.88	12.00	11.98	9.32	47.32	" "
9.16	16.00	15.97	3.00	3.20	9.00	7.11	5.60	58.96	" "
8.73	20.00	22.11	4.00	4.19	7.50	6.30	10.04	48.63	" "
9.07	20.00	20.09	4.00	4.50	7.50	5.74	10.65	49.95	" "
9.36	18.00	17.99	3.50	3.74	8.00	7.45	10.50	50.96	" "
9.49	15.00	17.11	4.00	4.60	6.50	5.55	9.25	54.00	" "
8.21	20.00	22.20	4.00	4.68	7.50	6.85	8.24	49.82	" "
9.17	14.00	16.94	4.00	4.58	7.00	5.79	7.80	55.72	" "
8.73	17.00	17.99	4.00	4.86	8.50	6.34	10.25	51.83	" "
8.02	14.00	15.09	4.00	4.11	8.50	6.26	6.84	59.68	" "
9.10	14.00	16.32	4.00	4.08	8.50	6.38	8.55	55.57	" "
7.59	26.00	28.96	4.00	5.16	7.00	6.69	13.25	38.35	" "

A—Also detected Corn Gluten Meal.
B—Fat and Fibre guarantee and Ingredients on label differ from license.
C—Also detected Soyabean Oil Meal, Ground Wheat Screenings and Calcium Carbonate—unable to detect Alfalfa Meal.
D—Ingredients on label differ from license.
E—Protein and Fibre guarantee on label differ from license. Also detected Corn Bran—unable to detect Millet.
F—Protein, Fat and Fibre guarantee and Ingredients on label differ from license.
G—No information given on label.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kasco Mills, Inc., Waverly, N. Y. (Continued.)	
Kasco Broiler Ration	Baltimore
Kasco Body Builder	Baltimore
Kasco All Mash Chick Starter	Baltimore
Apex Starter	Baltimore
Kasco Horse Feed	Baltimore
Kasco Pig Hog Feed	Hancock
Apex Hog Feed	Hagerstown
Kasco Calf Meal	Baltimore
Kasco Cattle Meal	Oakland
Kasco Scratch Grains	Baltimore
Kasco Complete Rabbit Ration	Baltimore
Spencer Kellogg & Sons, Inc., Buffalo, N. Y.	
Kellogg's 41% Protein Soybean Oil Meal	Walkersville
Kellogg's 37% Protein O. P. Linseed Meal	Frederick
Kellogg's 37% Protein O. P. Linseed Meal	Baltimore
Kenton Flour Mills, Kenton, Del.	
*Wheat Middlings	Denton
F. P. Keppel, Rising Sun, Md.	
F. P. Keppel 32% Dairy Mash	Rising Sun
F. P. Keppel Laying Mash	Rising Sun
The Key Grain & Feed Co., Keymar, Md.	
The Key 32% Dairy Ration	Detour
The Key Dairy Ration	Keymar
The Detour Laying Mash	Detour
The Key Laying Mash	Detour
The Key Growing Mash	Detour
The Key Starting Mash	Detour
The Key 34% Hog Supplement	Detour
The Key Pig Meal	Detour
Keystone Milling Co., Littlestown, Pa.	
Keystone Premium Egg Mash	
Keystone Premium Growing Mash	
Keystone Premium All-Purpose Mash	
Keystone Premium Chick Starter	
Keystone Premium Pig & Hog Meal	
Soft Winter Wheat Middlings, with Mill Run of Screenings	
King Brothers & Co., Philadelphia, Pa.	
King's Dried Skim Milk For Animal Feed	Cambridge
King Midas Flour Mills, Minneapolis, Minn.	
‡Snowball Wheat Flour Middlings and Ground Wheat Screenings	Westminster
J. N. Kirk, Middletown, Del.	
Uniform Dairy Ration	

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.15	18.00	20.97	4.00	4.16	7.50	6.62	7.63	51.47	As declared on label
8.82	15.00	16.94	4.00	4.38	7.00	5.18	7.75	56.93	" "
8.62	17.00	20.18	4.00	4.84	6.00	5.77	8.24	52.35	" "
9.64	16.00	17.81	4.00	4.41	7.00	5.35	7.95	54.84	" "
9.43	9.00	10.58	3.00	3.15	12.00	9.63	5.18	62.03	" "
8.49	17.00	17.02	4.00	4.66	7.50	7.47	10.37	51.99	" " A.
11.18	16.00	16.08	3.50	4.10	8.00	6.55	6.76	55.33	As declared on label
8.59	21.00	23.52	3.50	3.71	4.50	4.51	9.65	50.02	" "
12.09	18.00	19.47	3.50	4.57	10.00	10.05	9.42	44.40	" "
11.90	9.00	9.30	2.50	2.60	4.00	2.16	1.30	72.74	" "
8.32	12.00	13.69	2.00	2.75	20.00	15.04	8.36	51.84	" " A.
9.61	41.00	43.26	4.00	4.71	7.00	5.41	6.31	30.70	" "
9.65	37.00	38.35	4.00	4.51	9.00	6.87	5.80	34.82	" " B.
9.42	37.00	39.66	4.00	4.83	9.00	6.67	5.66	33.76	" " C.
10.72	15.00	13.95	4.00	4.01	8.00	4.27	3.75	63.30	" "
8.70	32.00	33.81	4.50	5.64	9.00	8.62	6.40	36.83	" "
8.90	20.00	21.06	4.50	4.94	6.00	6.68	11.12	47.30	" "
7.27	32.00	32.12	4.75	5.05	11.00	10.27	10.29	35.00	" "
8.45	20.00	21.32	4.00	4.15	11.00	8.97	7.80	49.31	" "
8.72	19.00	19.66	4.50	4.57	9.00	6.59	10.44	50.02	" "
8.54	19.00	19.39	5.00	4.73	7.00	6.26	10.62	61.08	" "
9.65	16.00	18.43	4.50	4.77	7.00	6.27	8.43	52.45	" "
9.48	16.00	17.20	4.50	4.61	6.00	5.46	7.86	55.39	" "
6.75	34.00	35.45	4.50	4.36	8.00	8.21	9.76	35.47	" "
9.00	17.00	17.72	4.00	4.33	7.00	5.37	7.77	55.81	" "
9.31	18.00	18.03	4.00	3.92	8.00	6.47	7.86	54.41	D.
10.14	16.00	17.20	4.00	4.13	7.50	6.44	7.77	54.32	As declared on label
9.49	15.00	15.86	4.00	3.54	6.50	6.90	6.21	58.00	" "
10.16	18.00	18.87	4.00	4.33	7.50	6.08	8.70	51.86	" "
10.71	16.00	17.29	4.00	3.50	7.00	6.33	5.35	56.82	" "
10.92	14.00	14.13	4.07	3.95	5.29	4.78	3.29	62.93	" "
.....	30.00	33.26	.25	X .80	.....	.....	8.24		" "
11.49	16.00	16.76	4.00	4.41	6.00	5.26	3.64	58.44	" "
5.57	24.00	27.64	5.00	4.94	10.00	11.47	7.60	42.78	" "

A—Fibre guarantee on label differs from license.
B—Acid Insoluble Ash 0.19%.
C—Acid Insoluble Ash 0.21%.
D—Ingredients on label differ from license.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Kline Brothers, Inc., Boonsboro, Md.	
Kline Bros. Egg Mash	Boonsboro
Kline Bros. Starter & Grower	Boonsboro
Kline Bros. Pig & Hog Meal	Boosnboro
Charles F. Knock, Frederick, Md.	
‡Square "K" Laying Mash	Frederick
‡Square "K" Starting Mash	Frederick
‡Square "K" Medium Scratch Feed	Frederick
‡Square "K" Scratch Feed	Frederick
Chas. A. Krause Milling Co., Milwaukee, Wis.	
*‡Corn Germ Meal	Westminster
H. Curtis Krout, Maryland Line, Md.	
Krouts' Egg Mash	Maryland Line
Krouts' Chick Developer	Maryland Line
Lake of the Woods Milling Co. Limited, Montreal, Canada	
Lakewoods, Wheat Shorts	Detour
Lakeview Milling Co., Chambersburg, Pa.	
‡Soft Winter Wheat Bran, with Mill Run of Screenings	Chewsville
‡Soft Winter Wheat Middlings, with Mill Run of Screenings	Chewsville
Larrowe Milling Co. Division of General Mills, Inc., Detroit, Mich.	
Larro 32 Dairy Feed	Hampstead
Larro The Ready Ration For Dairy Cows	Annapolis
Larro 16 Dairy Feed	Annapolis
Larro Egg Mash	Annapolis
Larro Broiler Feed	Hampstead
Larro Chick Builder	Mt. Airy
Larro Chick Builder	Baltimore
Larro Pig & Hog Builder	Mt. Airy
Larro Pig & Hog Builder	Baltimore
Leisters Feed Store, Millers, Md.	
Hamco Egg Mash	Millers
The Liberty Milling Co., Inc., Germantown, Md.	
Liberty 32% Mixing Ration	Germantown
*Montgomery 26% Dairy Ration	Germantown
*Liberty 22% Dairy Ration	Germantown
Liberty 16% Dairy Feed	Germantown
*Liberty Hog Meal	Germantown
The Linwood Elevator Co., Linwood, Md.	
Linwood Dairy Feed	Linwood
Linwood Laying Mash	Linwood
Linwood Complete Pig Meal	Linwood

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.82	18.00	18.16	3.50	4.59	7.00	6.61	6.65	54.17	A.
10.75	16.00	17.02	3.50	4.69	5.00	4.59	5.93	57.02	As declared on label
10.34	16.00	16.53	4.00	4.22	6.00	4.59	5.08	54.24	" "
9.21	20.00	19.92	3.00	5.01	7.00	5.86	10.25	49.75	" " B.
9.98	16.00	17.46	3.00	4.45	6.00	5.19	6.95	55.97	" "
11.15	9.00	9.20	3.00	3.25	5.00	3.70	1.22	71.48	As declared on label
11.20	9.00	9.40	3.00	3.25	6.00	3.80	1.75	70.60	" "
8.81	18.50	17.11	5.50	9.48	5.00	4.74	6.67	53.19	As declared on label
9.12	20.00	20.45	4.00	4.74	7.00	7.23	12.28	46.18	" "
9.50	19.00	19.66	4.00	4.11	7.00	6.55	10.32	49.86	" "
9.94	16.00	17.64	5.00	5.25	8.00	7.92	4.85	54.40	" "
9.38	14.00	14.39	4.00	4.31	9.50	7.82	6.35	57.75	" "
9.79	15.00	15.45	4.00	4.31	7.00	5.61	5.05	59.79	" "
7.56	32.00	33.52	4.00	5.17	10.50	9.05	10.72	33.98	" "
8.53	20.00	21.67	3.75	4.09	12.00	9.89	7.06	48.76	" "
8.30	16.00	17.64	3.00	3.56	11.00	10.13	6.12	54.25	" "
8.79	20.00	20.97	4.00	4.58	7.50	6.20	9.30	50.16	" "
8.36	20.00	20.27	3.50	4.56	7.00	6.33	8.98	51.50	" "
8.62	19.00	20.27	4.00	4.77	7.00	6.33	10.50	49.51	" "
6.89	19.00	20.53	4.00	4.69	7.00	6.74	10.60	50.55	" "
9.51	17.50	18.52	4.00	3.99	7.50	6.23	9.20	52.55	" "
9.36	17.50	18.78	4.00	4.58	7.50	6.75	9.21	51.32	" "
9.53	20.00	20.62	4.00	5.07	8.00	6.35	10.00	48.43	" "
7.11	32.00	31.59	4.00	4.25	11.00	7.86	10.45	38.74	As declared on label
7.93	26.00	26.85	5.00	4.31	9.00	8.84	10.57	41.50	" " B.
7.53	22.00	22.03	5.00	4.31	10.00	12.50	10.35	43.28	" " B.
8.59	16.00	15.99	3.50	3.81	15.00	13.74	9.79	48.08	" "
8.76	20.00	22.46	5.00	4.11	5.00	6.02	10.50	48.15	" " B.
8.37	16.00	20.71	3.50	3.68	15.00	9.46	9.40	48.38	" "
9.58	18.00	20.45	4.50	4.61	8.00	6.19	8.45	50.72	" "
10.37	15.00	17.38	4.00	3.94	7.00	6.37	7.91	54.03	" "

A—Ingredients on label differ from license.
B—Fat and Fibre guarantee on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
L. B. Lovitt & Co., Memphis, Tenn.	
"Lovit Brand" 41% Protein Cottonseed Meal	Frederick
"Lovit Brand" 41% Protein Cottonseed Meal	Derwood
Maritime Milling Co., Inc., Buffalo, N. Y.	
Sweetened B. B. Bull Brand "24" Dairy Ration	Mardela Springs
‡Hi-Test Dairy Feed 20% Protein Sweetened	Mardela Springs
Marmico 16% Protein Dairy Feed, with Molasses	Mardela Springs
B. B. Complete Rabbit Feed (Pellets)	Baltimore
Earl Martin, Hagerstown, Md.	
Reid 24% Dairy Feed	Hagerstown
Reid Hog Meal	Hagerstown
State of Maryland Dept. of Budget & Procurement, Baltimore, Md.	
C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Reisterstown
C. P. B. Dairy Feed	Cambridge
*C. P. B. Dairy Feed	Reisterstown
*C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Catonsville
C. P. B. Dairy Feed	Cheltenham
C. P. B. Dairy Feed	Sykesville
C. P. B. Dairy Feed	Breathedsville
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Crownsville
C. P. B. Dairy Feed	Cheltenham
C. P. B. Dairy Feed	Jessups
C. P. B. Dairy Feed	Sykesville
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Jessups
C. P. B. Dry Cow Feed	Sykesville
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Reisterstown
C. P. B. Laying Mash	Breathedsville
C. P. B. Laying Mash	Crownsville
C. P. B. Laying Mash	Reisterstown
C. P. B. Growing Mash	Reisterstown
C. P. B. Growing Mash	Breathedsville
C. P. B. Growing Mash	Breathedsville
C. P. B. Growing Mash	Crownsville
C. P. B. Growing Mash	Reisterstown
C. P. B. Starting Mash	Breathedsville
C. P. B. Starting Mash	Breathedsville
C. P. B. Starting Mash	Crownsville
C. P. B. Starting Mash	Reisterstown
C. P. B. Horse Feed	Crownsville

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
7.99	41.00	41.42	5.00	5.52	13.00	10.26	7.40	27.41	As declared on label
7.01	41.00	41.86	5.00	6.72	13.00	8.33	7.39	28.69	" "
11.48	24.00	23.37	4.00	3.77	9.00	8.24	7.13	46.01	" "
11.69	20.00	21.61	4.00	3.62	12.00	9.19	8.59	45.30	" "
11.92	16.00	16.84	4.00	3.62	12.00	10.31	8.63	48.68	" "
9.78	17.50	20.01	2.50	2.53	8.50	9.04	9.32	49.32	" "
10.67	24.00	25.26	4.00	4.62	12.00	8.19	6.71	44.55	" "
12.38	16.00	18.72	4.00	3.75	10.00	5.61	5.97	53.57	B.
7.01	32.00	32.52	5.00	4.66	9.00	8.12	8.11	39.58	As declared on label
7.37	32.00	32.04	5.00	4.91	9.00	8.39	8.93	38.36	" "
10.79	32.00	34.22	5.00	4.90	9.00	7.01	8.68	34.40	" "
9.84	32.00	33.53	5.00	4.43	9.00	8.26	8.09	35.85	" "
10.32	32.00	34.39	5.00	4.33	9.00	7.65	8.14	35.17	" "
9.65	20.00	21.91	4.00	3.90	11.00	7.77	4.99	51.78	" "
10.21	20.00	21.79	4.00	4.57	11.00	7.71	7.49	48.23	" "
10.36	20.00	21.03	4.00	3.86	11.00	7.50	5.90	51.35	" "
8.16	20.00	22.93	4.00	4.14	11.00	7.25	6.35	51.17	" "
9.65	20.00	22.14	4.00	4.02	11.00	8.35	5.64	50.20	" "
11.14	20.00	20.87	4.00	4.27	11.00	8.28	6.90	48.54	" "
8.66	20.00	21.62	4.00	4.20	11.00	8.79	5.67	51.06	" "
9.57	20.00	22.86	4.00	4.49	11.00	9.29	7.46	46.33	" "
9.18	20.00	21.99	4.00	4.22	11.00	9.59	5.01	50.01	" "
10.43	20.00	21.27	4.00	4.04	11.00	8.66	5.19	50.41	" "
10.21	12.00	13.82	3.00	3.49	7.00	8.06	6.06	58.36	" "
8.01	12.00	16.12	3.00	4.03	7.00	8.20	6.65	56.99	" "
9.18	12.00	14.77	3.00	3.55	7.00	7.78	6.65	58.07	" "
10.05	12.00	12.00	3.00	3.70	7.00	8.82	6.70	58.73	" "
9.55	18.00	19.31	4.50	6.27	6.00	6.80	9.00	49.07	" "
10.61	18.00	18.52	4.50	5.51	6.00	4.97	9.79	50.60	" "
10.50	18.00	19.04	4.50	5.59	6.00	4.95	8.36	51.56	" "
9.59	18.00	21.11	4.50	5.58	6.00	4.66	8.35	50.71	" "
10.93	18.00	18.08	4.50	5.69	6.00	5.76	9.20	50.34	" "
10.06	18.00	18.08	4.50	5.54	6.00	6.00	9.55	50.77	" "
11.17	16.00	17.11	4.00	4.52	6.00	5.43	9.00	52.77	" "
9.67	16.00	18.43	4.00	5.34	6.00	6.44	7.97	52.15	" "
8.13	16.00	17.11	4.00	4.52	6.00	5.45	8.35	56.44	" "
11.26	16.00	16.23	4.00	4.98	6.00	5.55	7.20	54.78	" "
10.00	16.00	16.94	4.00	5.38	6.00	6.22	8.15	53.31	" "
9.53	18.00	19.39	4.00	5.74	6.00	6.82	7.65	50.87	" "
9.66	18.00	20.53	4.00	5.11	6.00	4.71	8.70	51.29	" "
11.45	18.00	17.46	4.00	5.51	6.00	5.39	7.70	52.49	" "
9.76	18.00	18.16	4.00	5.83	6.00	5.86	9.45	50.94	" "
10.29	9.00	10.07	3.50	3.61	8.00	7.48	3.67	64.88	A.

A—Detected—Cracked Corn, Oats, Alfalfa Meal and Molasses.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
McMillen Feed Mills, Inc., Fort Wayne, Ind.	
Master Soy	Hampstead
Master Mix 32% Dairy Concentrate	Thurmont
Master Mix 24% Dairy Feed	Lineboro
Big "C" 20% Dairy Feed	Lineboro
Master Mix Egg Mash, with Cod Liver Oil	Lineboro
Master Mix 32% Chick Concentrate, with Cod Liver Oil	Thurmont
Master Mix 32% Chick Concentrate, with Cod Liver Oil	Pylesville
Master Mix Poultry Fattener	Lineboro
Master Mix 40% Hog Concentrate	Pylesville
Master Mix 40% Hog Concentrate	Lineboro
Master Mix Calf Grower	Pylesville
Master Mix 36% Turkey Concentrate	Pylesville
John B. Medford, Henderson, Md.	
Medford's Laying Mash	Henderson
Menhaden Fish Meal Co., Baltimore, Md.	
45% Meat & Bone Scrap	Cambridge
*Pure Ground Fish Meal	Baltimore
Pure Ground Fish Meal	Walkersville
*Pure Ground Fish Meal	Baltimore
Pure Ground Fish Meal	Ellicott City
*60% Digester Tankage	Thurmont
*Diamond—Sweet Molasses Meal	Frederick
Hog-Gro	Walkersville
The Mennel Milling Co., Toledo, Ohio	
Memo Wheat Flour Middlings, with Mill Run Screenings	Centreville
Merchants Milling Co., Hagerstown, Md.	
Magic Dairy Feed	Hagerstown
Magic Laying Mash	Hagerstown
*Magic Hog Ration	Hagerstown
Magic Scratch Feed	Hagerstown
Henry Mesner & Son, Baltimore, Md.	
Mesner's E-Z-Fed Laying Mash	Baltimore
Mesner's Special Scratch Feed	Baltimore
Metcalfe Brothers, Chestertown, Md.	
Chester 32% Feed	Chestertown
Metcalfe's Approved Poultry Mash	Chestertown
Michael's Mill, Buckeystown, Md.	
Michael's Laying Mash	Buckeystown
The Mt. Airy Milling Co., Mt. Airy, Md.	
*Lamore Egg Mash	Mt. Airy
Husky Starter Mash	Mt. Airy
Gee Vee Pig & Hog Feed	Mt. Airy

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
8.61	41.00	43.07	.50	1.27	6.50	4.83	13.50	28.72	As declared on label
11.08	32.00	31.46	3.00	2.83	9.00	6.09	11.35	37.19	" "
10.34	24.00	24.54	4.00	3.53	9.00	6.88	8.08	46.63	" "
11.08	20.00	22.35	3.00	3.07	12.50	12.00	10.32	41.18	A.
8.78	19.00	20.97	3.50	4.57	7.00	6.95	9.35	49.38	As declared on label
7.28	32.00	33.43	4.00	4.82	8.00	6.92	20.47	27.08	" "
7.11	32.00	34.24	4.00	4.42	8.00	6.11	19.35	28.77	" "
10.36	12.50	17.72	3.50	3.71	8.00	6.09	5.82	56.30	" "
8.13	40.00	40.73	3.50	4.04	8.00	6.45	19.26	21.39	" "
8.87	40.00	41.36	3.50	3.77	8.00	5.47	16.57	23.96	" "
10.76	30.00	31.92	3.50	3.73	9.00	8.90	10.99	33.70	" "
8.14	36.00	36.43	4.00	4.26	7.00	7.47	8.60	35.10	" "
8.95	18.00	20.88	5.00	4.80	8.50	7.26	13.28	44.83	" "
6.36	45.00	45.02	8.00	13.51	2.00	2.35	28.30	4.46	" "
7.26	58.00	66.43	6.00	5.05	2.00	.29	18.02	2.95	" "
8.32	58.00	60.99	6.00	7.75	2.00	.50	20.05	2.39	" "
7.24	58.00	67.57	6.00	4.83	2.00	.35	17.10	2.91	" "
7.10	58.00	58.80	6.00	9.64	2.00	.65	20.80	3.01	" "
8.57	60.00	62.48	6.00	3.10	3.00	.79	14.30	7.60	" "
9.18	14.00	18.16	3.00	2.05	8.00	5.39	8.17	57.05	" "
7.26	40.00	42.12	5.00	4.91	2.00	3.20	37.03	5.48	" "
10.44	15.00	15.97	4.00	3.88	6.50	5.98	4.08	59.65	" "
9.61	16.00	17.32	3.50	4.01	12.00	11.90	9.72	47.44	E.
8.12	18.00	18.69	4.00	4.97	7.00	6.60	9.00	52.62	As declared on label
9.10	20.00	20.09	5.00	4.49	7.00	7.86	10.25	48.21	B.
11.02	9.00	9.20	2.50	2.65	6.00	4.20	1.60	71.33	C.
6.48	20.00	21.76	4.00	4.12	7.00	7.87	13.80	45.97	As declared on label
10.10	10.00	10.27	2.50	3.09	5.00	2.02	2.12	72.40	" "
7.67	32.00	32.64	4.00	5.60	10.00	9.37	7.06	37.66	" "
9.20	18.00	18.08	4.00	4.27	10.00	7.65	6.70	54.10	" "
9.25	18.00	20.36	5.00	4.78	12.00	8.40	8.40	48.81	D.
8.42	19.00	20.71	5.50	4.01	8.00	7.42	12.46	46.98	A.
9.40	15.00	14.48	4.00	4.92	6.00	3.74	5.18	62.28	A.
9.90	18.00	19.83	4.00	4.35	7.00	3.66	7.93	54.33	As declared on label

A—Ingredients on label differ from license.
B—Also detected Molasses and Meat Scrap.
C—Fibre guarantee on label differs from license. Unable to detect Buckwheat.
D—Unable to detect Corn Gluten Meal—also detected Molasses.
E—Also detected Soybean Oil Meal and Dried Distillers Grains.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Mutual Rendering Co., Inc., Philadelphia, Pa.	
55% Mureco Meat Scrap	Denton
55% Mureco Meat Scrap	Westminster
50% Mureco Meat & Bone	Denton
45% Mureco Meat & Bone	Denton
60% Mureco Feeding Tankage	Denton
National Distillers Products Corp., Baltimore, Md.	
Distillers Rye Dried Grains	Maugansville
National Distillers Products Corp., New York, N. Y.	
Produlac Brand Dried Corn Distillers Grains	Kingsville
Produlac Brand Semi-Solid Distillers Grains Mash	Kingsville
The Neumond Co., St. Louis, Mo.	
‡Neumond Dried Brewers' Grains	Westminster
*‡Neumond 26% Rye Distillers Grain	Adamstown
O. A. Newton & Son Co., Bridgeville, Del.	
"Cedarview" Laying Mash	Easton
"Cedarview" Growing Mash	
"Cedarview" Improved Broiler Mash	
"Cedarview-All-Mash" Chick Starter	Easton
"Cedarview Improved" Turkey Starter	
Norris Grain Co., Chicago, Ill.	
‡Expeller Process Soybean Oil Meal	Chewsville
Northern Illinois Cereal Co., Lockport, Ill.	
‡Gold Medal Fine Ground Feeding Oatmeal	Pocomoke City
Nuttle Milling Co., Denton, Md.	
*Ideal Laying Mash, with Cod Liver Oil and Buttermilk	Denton
Ideal Chick Starter, with Cod Liver Oil and Buttermilk	Denton
Ideal Hog Feed	Denton
Geo. F. Obrecht Co., Baltimore, Md.	
Obaco 24% Dairy Feed	Baltimore
*‡Obaco 24% Dairy Feed	Baltimore
‡Obaco 16% Economy Dairy Feed	Baltimore
*‡Obaco Laying Mash	Baltimore
‡Obaco Broiler Ration	Baltimore
‡Obaco Poultry Fatner	Baltimore
‡Obaco Pig & Hog Meal	Baltimore
‡Obaco Scratch Feed	Baltimore
P. Fred'k Obrecht & Son, Baltimore, Md.	
*Pure Rich 16½% Dairy	Medford
The Ogilvie Flour Mills Co., Limited, Montreal, Canada	
‡Ogilvie Wheat Shorts	Princess Anne
‡Ogilvie Oat Feed	Derwood

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.07	55.00	55.64	6.00	9.88	2.00	2.04	26.20	.17	As declared on label
5.47	55.00	55.34	6.00	9.10	2.00	2.13	27.20	.76	" "
5.87	50.00	49.58	6.00	10.89	2.00	1.72	30.71	1.23	" "
6.14	45.00	46.60	6.00	9.27	2.00	1.70	35.50	.79	" "
7.10	60.00	60.90	6.00	10.21	4.00	2.61	16.62	2.56	" "
5.62	16.00	16.76	5.00	6.90	20.00	14.57	1.80	54.35	" "
6.75	27.00	28.70	8.00	7.97	9.00	8.19	4.33	44.06	" "
72.22	8.50	8.71	3.50	3.65	2.00	2.41	5.57	7.44	" "
6.32	24.00	27.47	4.50	5.44	18.00	13.64	3.86	43.27	" "
5.23	26.00	26.59	6.00	4.83	12.00	10.79	3.85	48.71	" "
9.61	18.00	18.16	4.00	4.61	8.00	6.74	9.00	51.88	" "
9.83	16.00	18.26	3.50	4.81	7.50	5.57	7.02	54.51	" "
8.98	18.00	22.03	3.00	4.48	7.50	6.07	8.75	49.69	" "
9.79	17.00	18.08	3.00	4.55	6.50	5.10	7.10	55.38	" "
8.92	18.00	20.88	3.00	4.82	9.00	7.09	10.08	48.21	" "
10.28	41.00	42.74	4.50	5.34	7.00	5.89	6.55	29.20	" "
7.35	15.00	17.46	6.50	6.48	3.00	2.99	2.90	62.82	" "
7.96	20.00	20.71	5.00	4.28	8.00	7.22	12.45	47.38	As declared on label
8.61	15.00	16.67	4.50	4.00	5.00	4.69	8.27	57.76	" "
10.44	12.00	16.41	5.00	4.63	6.00	4.82	7.22	56.48	" "
11.05	24.00	24.16	4.00	4.37	12.00	8.44	7.27	44.71	
11.14	24.00	19.70	4.00	4.10	12.00	7.34	7.49	50.23	As declared on label
10.84	16.00	18.84	3.50	3.99	12.00	6.54	7.44	52.35	" "
9.40	20.00	18.96	4.00	5.63	9.00	7.49	8.84	49.68	" "
7.62	18.00	19.92	4.00	4.40	7.00	6.49	9.85	51.72	" "
9.45	12.50	13.25	4.50	4.35	6.00	4.11	5.35	63.49	" "
8.96	15.00	16.23	3.50	5.09	7.00	9.92	5.20	54.60	" "
10.90	9.00	9.50	2.50	2.65	5.00	2.31	1.30	73.34	" "
8.45	16.50	16.07	5.00	2.49	14.00	10.64	6.24	56.11	A.
9.32	16.00	19.13	5.00	6.17	8.00	8.20	5.40	51.78	" "
5.77	5.00	4.74	2.00	1.93	27.95	29.20	5.20	53.16	" "

A—Also detected Soybean Oil Meal, Ground Barley, Ground Oats and Ground Screenings—unable to detect Rye Distillers Dried Grains, Linseed Oil Meal, Cotton Seed Meal, Beet Pulp, Calcium Carbonate, Bone Meal and Salt.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Old Fort Mills, Inc., Harrisburg, Pa.	
‡Old Fort Laying Mash, with Cod Liver Oil	Rockville
‡Old Fort Breeder & Laying Mash	Rockville
‡Old Fort Horse Mix	Hampstead
‡Old Fort Pork Builder	Rockville
‡Old Fort Calf Mix, with Cod Liver Oil	Rockville
‡Old Clock Scratch	Rockville
‡Old Fort Scratch	Rockville
Oldetyme Distillers, Inc., Cedarhurst, Md.	
Corn Distillers Dried Grains	Hampstead
Owings Brothers, York, Pa.	
‡June Bug 22% Dairy Feed	Jarrettsville
June Bug 16% Dairy Feed	Jarrettsville
June Bug Laying Mash, with Cod Liver Oil	Jarrettsville
‡Special Laying Mash	Cardiff
June Bug Growing Mash, with Dried Milk & Cod Liver Oil	Freeland
June Bug Chick Feed	Jarrettsville
June Bug Baby Chick Starter, with Cod Liver Oil	Freeland
June Bug All-Mash Starter & Grower & Cod Liver Oil	Freeland
June Bug Hog Feed	Freeland
June Bug Special Scratch Feed	Jarrettsville
Horace G. Payne, Snow Hill, Md.	
Payne's Laying Mash	Snow Hill
Payne's Starting Mash	Snow Hill
Pecos Valley Alfalfa Mill Co., Chandler, Ariz.	
Peevee Alfalfa Leaf Meal	Baltimore
*Velvet Brand Alfalfa Meal	Frederick
Alfalfa Meal	Baltimore
Alfalfa Meal	Frederick
Penick & Ford Ltd., Inc., Cedar Rapids, Iowa.	
Douglas Corn Gluten Meal	Detour
Penn-Maryland Dairy Feeders Corp., Cumberland, Md.	
Wet Brewers Grains	Cumberland
Perkins Oil Company, Memphis, Tenn.	
Golden Rod Brand Cottonseed Meal	Gaithersburg
The Philadelphia Seed Co., Inc., Philadelphia, Pa.	
Purgrain Economy Special Pigeon Feed	Hagerstown
Pillsbury Flour Mills Co., Minneapolis, Minn.	
Pillsbury's Hard Wheat Bran, with Ground Wheat Screenings N. Ex. M. R.	Elkton
Pillsbury's Hard Wheat A. Middlings, with Ground Wheat Screenings N. Ex. M. R.	Elkton

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
10.01	20.00	20.01	4.00	4.29	7.50	7.39	7.45	50.85	As declared on label
10.09	20.00	20.18	4.00	4.49	7.50	7.46	9.70	48.08	" "
9.12	10.00	10.65	4.00	4.03	8.00	4.96	4.94	66.30	" "
11.26	14.00	17.24	4.00	4.32	8.50	7.06	4.60	55.52	" "
8.88	21.00	20.39	4.00	4.99	7.00	5.91	5.70	54.13	" "
10.90	9.00	9.60	3.00	3.25	4.00	2.20	1.60	72.45	" "
10.85	9.00	9.65	3.00	3.15	4.00	2.12	1.55	72.68	" "
3.43	24.00	27.38	5.00	5.50	14.00	11.85	3.55	48.29	" "
7.29	22.00	23.52	4.00	3.67	11.00	8.08	7.50	49.94	" "
9.23	16.00	18.70	3.00	4.45	12.00	11.77	10.08	45.77	" "
9.01	20.00	20.09	3.00	4.02	7.00	6.81	12.90	47.17	" "
8.82	17.00	18.16	3.00	3.85	10.00	8.54	11.72	48.91	" "
9.44	16.00	17.64	3.00	3.68	8.00	6.38	7.70	55.16	A.
10.80	10.00	10.10	2.50	2.60	4.00	2.15	1.25	73.10	As declared on label
9.95	18.00	18.16	3.00	3.45	6.00	4.98	6.55	56.91	" "
9.42	18.00	18.29	3.00	3.53	6.00	5.15	9.80	53.81	" "
9.25	18.00	18.25	3.00	4.09	10.00	6.89	8.24	53.28	" "
10.05	9.00	9.20	2.50	2.75	4.00	2.20	1.50	74.30	" "
7.92	19.00	22.14	4.50	6.00	7.00	7.41	10.80	45.73	B.
8.00	15.00	21.50	4.00	5.48	6.00	6.53	10.90	47.59	C.
6.06	20.00	19.13	2.50	2.55	18.00	19.38	11.97	40.91	As declared on lab. D
7.15	17.00	15.97	1.50	2.44	27.00	26.04	9.20	39.20	" " E.
7.41	13.00	13.86	1.50	1.45	33.00	31.67	7.49	38.12	" " F.
5.78	13.00	14.74	1.50	1.40	33.00	30.55	10.00	37.53	" " G.
9.67	41.00	40.19	1.50	2.04	6.00	6.04	4.49	37.57	" " H.
78.69	6.00	5.69	1.50	1.54	5.00	3.73	.95	9.40	" "
6.69	41.00	41.07	5.00	5.29	12.00	10.45	7.30	29.20	As declared on label
8.70	10.00	10.12	2.00	2.20	4.00	3.20	2.30	73.48	" "
8.92	14.00	16.32	4.00	4.39	12.00	10.49	7.05	52.83	" "
9.56	16.00	17.99	4.00	4.89	6.00	4.42	4.00	59.14	" "

A—Also detected Corn Gluten Meal.
B—Unable to detect Linseed Oil Meal.
C—Unable to detect Linseed Oil Meal—also detected Corn Gluten Meal.
D—Carotene 29.3 Parts Per Million.
E—Carotene 42 Parts Per Million.
F—Carotene 10.9 Parts Per Million.
G—Carotene 4.7 Parts Per Million.
H—Carotene 21.5 Parts Per Million.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Maurice Pincoffs Co., Houston, Texas	
*"Pinco" Brand 43% Protein Cotton Seed Meal	Westminster
*"Pinco" Brand 43% Protein Cotton Seed Meal	Frederick
The Pittsburgh Melting Co., Pittsburgh, Pa.	
Steel City Meat & Bone Scrap	Grantsville
Planters Nut & Chocolate Co., Suffolk, Va.	
Planters 41% Protein Peanut Meal	Baltimore
Planters 41% Protein Peanut Meal	Bel Air
Pratt Food Co., Buffalo, N. Y.	
Utility Sweet 32% Dairy Feed	Hagerstown
Pratts Sweet 32% Dairy Feed	Centreville
Utility Sweet 24% Dairy Feed	Centreville
*Utility Sweet 20% Dairy Feed	Centreville
Utility Sweet 20% Dairy Feed	Hagerstown
Pratts Sweet 16% Dairy Feed	Centerville
Utility Laying Mash	Elkton
Pratts Laying Mash	Hagerstown
Bristol Laying Mash	Elkton
Pratts Cak Cak Egg Mash	Elkton
Utility Growing Mash	Elkton
‡Pratts 35% Poultry Concentrate	Chestertwon
Pratts Fattening & Fleshing Mash	Hagerstown
‡Pratts Poultry Mix	Taneytown
Pratts Breeder Mash	Centreville
Pratts C-Ka-Gene Ration	Elkton
Pratts Baby Chick Food	Chestertown
Pratts All-Mash Chick Starter	Elkton
Pratts Starter & Grower	Chestertown
Baltimore 100 Broiler Mash	Elkton
Pratts Calf Meal	Chestertown
Pratts Turkey Growing & Finishing Mash	Centreville
Pratts Turkey Starter	Centreville
Pratts Complete Rabbit Pellets	Chestertown
The Proctor & Gamble Distributing Co., Cincinnati, Ohio	
P. & G. Cocoanut Oil Meal	Ellicott City
Quaker City Flour Mills, Inc., Hampstead, Md.	
Quaker City Bran, contains Screenings N. Ex. M. R.	Sykesville
Quaker City Middlings, contains Screenings N. Ex. M. R.	Sykesville
The Quaker Oats Co., Chicago, Ill.	
Quaker 24% Protein Dairy Ration	Hagerstown
Quaker 20% Protein Dairy Ration	Baltimore
Victor Economy Dairy Feed (16% Protein)	Cumberland
Big Egg Laying Mash	Federalsburg
Ful-O-Pep Egg-Breeder Mash	Manchester
Ful-O-Pep Growing Mash	Grantsville
Ful-O-Pep Broiler Mash	Federalsburg

* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
7.13	43.00	39.08	5.50	8.11	12.00	9.86	6.24	29.58	As declared on label
6.76	43.00	40.02	5.50	8.24	12.00	10.38	6.50	28.10	" "
6.85	50.00	50.20	5.00	5.91	3.00	1.76	33.85	1.43	" "
6.54	41.00	41.24	6.00	8.01	10.00	6.39	6.25	31.57	" "
6.17	41.00	43.18	6.00	7.30	10.00	6.58	6.60	30.17	" "
11.31	32.00	33.39	3.50	3.53	9.00	5.23	11.50	35.04	As declared on label
8.76	32.00	32.54	4.50	5.08	9.00	6.87	11.48	35.27	" "
8.63	24.00	26.74	3.50	4.06	10.00	9.32	7.56	43.69	" "
10.88	20.00	18.93	3.50	3.58	12.00	9.58	8.81	48.22	" "
8.55	20.00	20.51	3.50	3.87	12.00	8.69	10.38	48.00	" "
9.59	16.00	20.31	3.00	4.57	12.00	10.22	11.57	43.74	" "
8.96	20.00	21.50	3.50	4.96	8.00	6.99	10.00	47.59	" "
9.10	20.00	21.17	3.50	3.69	7.25	7.24	10.90	47.90	" "
7.98	18.00	19.39	3.50	4.82	8.00	7.29	9.07	51.45	" "
8.92	18.00	19.31	3.50	4.88	8.00	7.49	7.15	52.25	" "
8.14	16.00	17.81	3.50	3.70	7.00	7.14	10.50	52.71	" "
8.99	35.00	35.10	4.00	4.27	6.00	6.22	12.80	32.62	" "
10.07	14.00	16.67	4.50	4.99	5.00	6.06	5.24	56.97	" "
8.26	33.00	35.19	5.00	6.19	6.00	6.49	9.73	34.14	" "
8.64	20.00	23.52	3.50	4.09	7.25	7.04	11.13	45.58	" "
7.81	17.00	20.45	3.50	5.46	6.00	6.70	9.65	49.93	" "
9.94	17.00	18.60	3.50	4.58	6.00	4.61	7.84	54.43	" "
8.21	16.00	18.16	3.50	4.23	6.00	6.21	9.05	54.14	" "
9.31	17.00	18.60	3.50	3.41	6.50	5.39	10.36	52.93	" "
9.44	16.00	16.94	4.00	4.13	7.00	5.99	8.70	54.80	" "
9.27	24.50	25.27	4.00	3.99	4.00	3.89	8.17	49.41	" "
9.62	21.00	22.99	4.50	5.26	7.50	7.62	10.25	44.26	" "
9.45	25.00	26.85	4.50	4.51	6.00	6.45	11.25	41.49	" "
8.28	14.00	14.92	2.00	2.95	20.00	18.00	7.76	48.09	" "
7.24	20.00	20.80	5.00	6.67	11.00	11.02	7.35	46.92	" "
9.72	13.50	14.74	3.25	3.94	10.50	8.84	5.70	57.06	As declared on label
9.65	13.00	16.32	4.00	4.83	7.00	4.55	3.50	61.15	" "
7.69	24.00	24.23	3.75	4.10	12.00	11.10	8.71	44.17	" "
5.66	20.00	20.25	4.00	4.04	12.00	10.79	9.14	50.12	" "
7.83	16.00	18.71	2.75	3.24	13.50	10.93	9.27	50.02	" "
7.91	20.00	22.20	4.00	5.69	8.00	7.30	7.15	49.75	" "
6.24	20.00	20.61	4.50	6.36	8.00	6.77	10.13	49.89	" "
9.22	19.00	18.90	5.00	5.72	7.00	5.57	9.29	51.30	" "
8.49	19.00	20.18	4.50	5.41	7.00	6.49	7.96	51.47	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Quaker Oats Co., Chicago, Ill. (Continued.)	
Ful-O-Pep Broiler Mash	Federalsburg
Ful-O-Pep Crate Fattener	Baltimore
Ful-O-Pep Chick Starter	Mt. Lake Park
Quaker Sugared Schumacher Feed	Hagerstown
Quaker Pig-N-Hog Feed	Federalsburg
Quaker Cattle Feed Supplement-32% Protein	Hagerstown
Queen Anne Roller Mill, Queen Anne, Md.	
*Queen Anne Poultry Mash	Queen Anne
Pure Wheat Bran	Queen Anne
Pure Wheat Middlings	Queen Anne
Ralston Purina Co., St. Louis, Mo.	
Purina Chowder (32%)	Baltimore
Purina 34% Cow Chow Supplement	Ellicott City
Purina Milk Chow (24%)	Baltimore
Purina 24% Cow Chow	Hyattsville
Purina 24% Cow Chow	Ellicott City
Protena 20% Dairy Feed	Baltimore
Purina Milk Chow (20%)	Baltimore
Chowmix 20% Dairy Feed	Easton
Purina 20% Cow Chow	Baltimore
Purina 18% Cow Chow	Baltimore
Purina 16% Cow Chow	Baltimore
Chowmix 16% Dairy Feed	Bel Air
Purina Dry & Freshening Chow	Hyattsville
Chowmix Laying Feed (All Mash)	Frederick
Chowmix Laying Feed (All Mash)	Poolesville
Chowmix Laying Mash	Easton
Chowmix Laying Mash B	Monrovia
Chowmix Laying Mash B	Bel Air
Purina Lay Chow	Hyattsville
Purina Layena (Complete Ration)	Hyattsville
Purina Egg Chow (Complete Ration)	Baltimore
Purina Family Flock Chow	Hyattsville
Purina Broiler Chow	Berlin
Purina Broiler Chow	Frederick
Purina Chick Growing Chow	Baltimore
Purina Chicken Fatena	Baltimore
Purina Chick Growena	Hyattsville
Purina Chick Startena	Frederick
Purina Bulky Las Chow (Buffalo Mill)	Baltimore
Purina Bulky Las Chow (Buffalo Mill)	Hyattsville
Purina Steer Fatena	Baltimore
Purina Hog Chow Supplement	Taneytown
Chowmix Hog Feed	Frederick
Chowmix Hog Feed	Bel Air
Purina Calf Startena	Easton
Purina Pigeon Checkers	Baltimore

* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.89	19.00	20.45	4.50	6.09	7.00	6.64	8.65	51.28	As declared on label
7.93	13.00	14.92	4.00	5.37	7.50	7.32	4.00	60.46	" "
7.20	17.00	19.17	4.50	6.31	7.00	6.66	7.51	53.15	" "
7.27	10.00	12.11	3.00	3.52	12.00	11.02	7.05	59.03	" "
7.23	16.00	20.18	3.50	5.26	10.00	6.18	10.00	51.15	" "
8.89	32.00	33.92	4.00	4.40	11.00	7.78	8.49	36.52	" "
9.83	19.00	18.60	5.00	4.01	7.00	7.09	4.25	56.22	" "
10.13	14.00	14.63	3.00	3.27	9.00	7.82	6.06	58.09	" "
10.42	13.00	15.22	3.00	3.09	6.00	3.63	2.48	65.16	" "
6.92	32.00	33.35	3.50	6.09	9.00	7.79	14.34	31.51	As declared on label
9.70	34.00	35.98	4.00	4.21	11.00	6.51	9.07	34.53	" "
9.29	24.00	25.31	3.50	3.89	11.00	7.77	9.08	44.66	" "
8.96	24.00	25.80	4.00	4.98	11.00	7.02	7.97	45.27	" "
9.25	24.00	25.81	4.00	5.11	11.00	7.50	9.70	42.63	" "
9.06	20.00	20.97	3.50	3.52	12.00	9.75	9.05	47.65	" "
11.20	20.00	20.84	3.50	3.55	11.00	8.50	7.85	48.06	" "
11.18	20.00	22.73	3.50	3.93	12.00	6.95	7.23	47.98	" "
10.15	20.00	20.79	4.00	4.23	10.00	6.18	7.03	51.62	" "
9.81	18.00	20.43	4.00	4.86	10.00	7.58	6.74	50.58	" "
9.22	16.00	17.03	4.00	4.67	10.00	6.61	6.77	55.70	" "
8.86	16.00	17.60	3.00	4.04	12.00	7.69	4.58	57.23	" "
10.06	12.50	14.93	2.50	2.84	14.00	12.24	10.12	49.81	" "
10.40	15.00	16.85	3.50	4.63	8.00	5.40	5.83	56.89	" "
11.08	15.00	17.11	3.50	4.39	8.00	5.26	5.30	56.86	" "
8.76	20.00	21.94	3.50	4.66	8.00	5.45	8.70	50.49	" "
9.62	18.00	18.87	3.50	3.88	8.00	5.12	6.30	56.21	" "
9.94	18.00	20.53	3.50	4.90	8.00	5.50	7.00	52.13	" "
10.17	21.00	22.64	4.00	4.83	8.00	7.88	10.18	44.30	" "
10.94	15.50	18.08	3.50	4.46	8.00	6.32	7.75	52.45	" "
8.80	15.50	16.94	3.50	4.50	8.00	6.60	10.50	52.66	" "
10.42	18.00	19.22	3.50	4.20	8.00	6.99	10.84	48.33	" "
9.88	18.00	20.62	3.50	4.54	7.00	5.21	7.25	52.50	" "
9.46	18.00	20.53	3.50	4.48	7.00	5.69	7.60	52.24	" "
8.87	21.00	22.29	3.50	5.02	7.00	5.95	10.14	47.73	" "
9.18	14.00	17.11	3.50	3.90	7.50	6.09	4.00	59.72	" "
11.23	15.00	17.02	3.50	4.77	7.00	6.15	6.15	54.68	" "
9.35	18.00	21.76	4.00	5.16	7.00	4.78	7.60	51.35	" "
11.47	9.00	12.22	1.30	2.20	15.00	12.58	9.64	51.89	" "
10.52	9.00	12.85	1.30	2.41	15.00	12.60	10.94	50.68	" "
8.28	23.00	24.83	3.00	4.25	8.50	7.66	9.43	45.55	" "
8.47	36.00	37.98	3.00	4.43	14.00	9.79	13.36	25.97	" "
11.69	14.00	15.16	3.50	4.47	7.00	4.17	3.77	60.74	" "
10.32	14.00	15.29	3.50	4.45	7.00	4.35	3.34	62.25	As declared on label
7.99	19.50	24.92	3.00	3.47	9.50	7.45	7.00	49.17	" "
8.73	14.00	14.10	3.00	3.20	6.00	3.50	2.60	67.87	" "

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Ralston Purina Co., St. Louis, Mo. (Continued.)	
Purina Turkey-Chicken Fatena Checkers	Baltimore
Purina Rabbit Chow	Baltimore
Purina Rabbit Chow Checkers (Ration)	Baltimore
Purina Rabbit Chow (Ration) (Buffalo Mill)	Baltimore
A. F. Rees, Inc., Hanover, Pa.	
Rees Meat & Bone Scrap	Taneytown
The Reindollar Co., Taneytown, Md.	
20% Dairy Ration	Taneytown
Egg Mash	Taneytown
Egg Mash, with Cod Liver Oil	Taneytown
Growing Mash	Taneytown
32% Hi-Concentrate	Taneytown
Starting Mash	Taneytown
Pig & Hog Meal	Taneytown
Richardson Brothers, Westminster, Md.	
Richardson's Honey Boy 24% Dairy Ration	Westminster
Richardson's Honey Boy Laying Mash, with Dried Milk, Cod Liver Oil & Dr. Hess Pan-A-Min	Westminster
Richardson's Honey Boy Laying Mash	Westminster
Richardson's Honey Boy Growing Mash	Westminster
Richardson's Honey Boy Hog Supplement	Westminster
Richardson's Honey Boy Pig & Hog Meal	Westminster
Richardson's Honey Boy Chick Starter	Westminster
Richardson's Honey Boy Chick Starter	Westminster
The Richards Milling Co., Cortland, Ohio	
‡Richards' 32% Dairy Feed	Hagerstown
*Richards' Cash Dairy Feed	Friendsville
*Richards' Dairy Feed	Grantsville
Richards' 20% Beet Pulp Dairy Feed	Hagerstown
Richards' 16% Dairy Feed	Cumberland
Richards' Cash Laying Mash	Hagerstown
Richards' Growing Mash	Hagerstown
‡Richards' Broiler Ration	Hagerstown
Richards' Starting Mash	Hagerstown
Richards' Special Chop	Cumberland
Richards' Pig & Hog Meal	Hagerstown
Daniel Rider, Inc., Baltimore, Md.	
‡Winner Horse Feed	Baltimore
Harry H. Rieck, Preston, Md.	
Lone Maple Tree Broiler Mash	Preston
Rinaman & Brown, Hampstead, Md.	
Brown's Egg Mash	Hampstead

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.85	14.00	15.36	3.50	4.17	7.00	5.31	5.90	59.41	As declared on label
8.58	16.00	18.87	3.50	3.90	8.00	7.83	5.60	55.22	" "
8.10	14.50	16.23	2.50	3.53	18.00	14.50	6.40	51.24	" "
9.79	13.50	15.60	2.50	3.03	16.00	12.58	5.38	53.62	" "
5.32	50.00	50.02	10.00	9.72	2.25	1.52	32.27	1.15	" "
8.15	20.00	22.64	4.00	4.02	12.50	9.78	8.37	47.04	" "
8.65	20.00	21.32	4.00	4.10	8.00	6.61	11.52	47.80	" "
8.81	18.00	19.31	4.50	4.95	8.00	6.63	8.15	52.15	" "
9.07	16.50	19.57	4.50	4.80	7.00	6.66	7.84	52.06	" "
7.30	32.00	32.38	4.00	4.72	12.00	9.58	8.15	37.87	" "
9.32	16.00	18.25	4.50	4.79	6.00	5.37	8.30	53.97	" "
9.00	16.50	18.95	4.50	4.59	7.00	6.13	8.15	53.18	" "
11.10	24.00	23.53	4.00	4.23	8.00	7.18	10.62	43.34	" "
10.17	20.00	20.79	4.00	4.35	8.00	7.37	9.74	47.58	" "
9.61	20.00	19.91	4.00	5.31	8.00	7.38	10.15	47.64	" "
9.99	16.00	16.67	4.00	4.27	7.00	6.27	6.64	56.16	" "
7.97	40.00	41.37	4.00	5.65	6.00	4.65	9.16	31.20	" "
10.48	16.00	16.85	3.50	4.63	6.50	6.24	8.05	53.75	" "
9.96	17.00	17.88	4.00	4.41	7.00	5.95	6.14	55.66	" "
10.45	17.00	17.23	4.00	4.23	7.00	5.12	6.78	56.19	" "
10.13	32.00	32.51	4.50	4.40	10.00	6.49	7.68	38.79	" " A.
10.18	24.00	23.27	4.00	2.62	11.00	8.88	7.90	47.15	" "
8.98	20.00	21.22	4.00	2.92	10.00	10.90	7.00	48.98	" "
8.88	20.00	20.19	3.00	3.21	10.00	8.37	8.50	50.85	" "
10.31	16.00	17.64	2.00	2.67	12.00	10.04	8.45	50.89	" "
7.46	20.00	20.36	3.00	5.00	8.00	7.74	9.10	50.34	B.
8.10	18.00	18.16	3.00	4.91	8.00	7.55	10.10	51.18	B.
10.13	18.00	18.60	3.50	4.77	6.25	7.82	7.33	51.35	As declared on label
8.40	18.00	19.75	3.00	4.88	7.50	5.66	10.65	50.66	" "
10.35	8.00	7.99	3.00	2.96	12.00	9.14	6.31	63.25	" "
9.31	16.00	16.15	4.00	4.46	8.00	7.10	7.65	55.33	B.
10.16	9.00	10.52	2.00	3.10	9.00	7.16	3.42	65.64	As declared on label
8.56	16.00	17.72	3.00	4.49	7.00	6.84	7.90	54.49	B.
8.37	18.00	19.57	4.00	4.65	6.00	5.85	8.17	53.39	As declared on label

A—Fat guarantee on label differs from license.
B—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Robinson Brothers, Cardiff, Md.	
Robinson's 32% Dairy Ration	Cardiff
Robinson's 24% Dairy Ration	Cardiff
Robinson's 20% Dairy Ration	Cardiff
Egg Mash	Cardiff
C. E. Routzahn, Boonsboro, Md.	
Routzahn's Dairy Feed	Breathedsville
Routzahn's Laying Mash	Breathedsville
Routzahn's Hog Feed	Breathedsville
Pure Soft Winter Wheat Bran	Breathedsville
Pure Soft Winter Wheat Middlings	Breathedsville
Routzahn's Scratch Feed	Breathedsville
Russell-Miller Milling Co., Minneapolis, Minn.	
Hard Wheat Occident Flour Middlings	Baltimore
St. Michaels Milling Co., St. Michaels, Md.	
Quillin's Laying Mash	St. Michaels
Quillin's Growing Mash	St. Michaels
Quillin's Hog & Pig Meal	St. Michaels
Pure Wheat Bran	St. Michaels
Pure Wheat Middlings	St. Michaels
Quillin's Scratch Feed	St. Michaels
Saunders Mills, Inc., Toledo, Ohio	
Leaf Velvet Brand Alfalfa Meal	Baltimore
Carotene Brand Poultry Meal Dehydrated Alfalfa Meal	Baltimore
Alfalfa Meal	Baltimore
Alfalfa Meal	Hagerstown
Wm. G. Scarlett & Co., Baltimore, Md.	
Oriole Brand AAA Pigeon Feed	Baltimore
Oriole Brand AA Pigeon Feed	Baltimore
Oriole Brand Four Grain Racing Pigeon Feed	Baltimore
Oriole Brand Special Pigeon Feed	Baltimore
Jos. Schlitz Brewing Co., Milwaukee, Wis.	
‡Schlitz Purity Brewers Dried Grains	Hagerstown
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
Esskay Quality Soluble Blood	Baltimore
Esskay Quality Digester Tankage	Ellicott City
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Fish Meal	Denton
Hen-Cen-Trate	Middleburg
Sea-Clo-400-D	Union Bridge
‡Sea Board Dried Molasses Feed	Frederick

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.99	32.00	35.27	3.50	3.53	9.50	7.54	5.91	40.76	As declared on label
8.84	24.00	25.18	3.50	3.69	10.00	8.28	8.11	45.90	A.
9.23	20.00	21.73	3.50	3.39	10.00	8.05	8.42	49.18	B.
9.79	20.00	19.92	4.00	4.13	8.00	7.06	8.60	50.50	As declared on label
7.57	16.00	16.32	4.00	4.01	6.00	7.82	7.45	56.83	C.
8.83	18.00	18.95	4.00	3.94	7.00	5.74	13.30	49.24	As declared on label
9.47	17.00	17.46	4.00	4.11	5.00	4.43	8.90	55.63	" "
9.40	15.00	15.20	4.00	4.30	8.00	7.25	4.80	59.05	" "
10.60	15.00	15.25	3.00	3.50	3.00	2.30	1.40	66.95	" "
10.75	10.00	10.20	2.50	2.65	5.00	3.40	1.25	71.75	D.
10.19	15.50	20.62	4.00	4.94	5.00	4.10	3.40	56.75	As declared on label
8.67	20.00	20.45	5.00	5.19	7.00	6.57	11.23	47.89	E.
8.64	16.00	18.43	4.00	5.00	6.00	5.95	7.40	54.58	F.
9.23	15.00	15.80	4.50	4.42	6.00	4.64	7.22	58.69	D.
10.12	13.00	13.60	4.00	4.20	11.00	8.02	6.10	57.96	As declared on label
10.30	14.00	14.60	4.00	4.02	6.00	3.40	2.50	65.18	" " G.
11.13	9.00	9.87	3.00	3.22	4.00	2.63	2.12	71.03	" "
9.16	20.00	21.59	1.50	2.02	18.00	16.29	12.35	38.59	As declared on lab. H.
5.84	17.00	16.67	1.50	2.04	28.00	27.57	8.30	39.58	" " I.
7.55	13.00	13.42	1.50	1.24	33.00	31.25	6.70	39.84	" " J.
5.59	13.00	12.64	1.50	1.65	33.00	33.40	8.05	38.67	" " K.
9.88	16.00	16.36	3.00	3.49	4.00	3.50	2.15	64.62	" "
9.99	13.00	13.62	3.50	4.00	4.00	3.45	2.22	66.72	" "
10.86	15.00	15.70	3.00	3.41	5.00	3.25	2.60	64.18	" "
10.00	16.00	16.20	3.00	3.38	4.00	3.52	2.01	64.89	" "
5.72	24.00	28.78	5.00	6.15	20.00	14.12	4.05	41.18	" "
8.29	83.00	86.00	.50	.66	5.00	1.26	4.37	.....	" "
4.70	60.00	61.42	8.00	9.09	5.00	1.04	23.40	.35	" "
10.00	55.00	55.64	5.00	4.70	3.00	3.12	21.74	4.80	L.
8.11	38.00	37.12	4.00	8.89	7.00	6.25	21.20	18.43	
6.36	12.00	14.92	6.00	12.82	18.00	17.34	7.47	41.09	As declared on label
6.69	14.00	15.88	6.50	10.23	18.25	17.23	7.68	42.29	" "

A—Unable to detect Linseed Oil Meal—also detected Soybean Oil Meal.
B—Also detected Soybean Oil Meal.
C—Fat and Fibre guarantee differ from license. Also detected Corn and Cob Meal.
D—Ingredients on label differ from license.
E—Fat guarantee and Ingredients on label differ from license.
F—Protein and Fat guarantee and Ingredients on label differ from license.
G—Fibre guarantee on label differs from license.
H—Carotene 22 Parts Per Million.
I—Carotene 41 Parts Per Million.
J—Carotene 5.7 Parts Per Million.
K—Carotene 5.5 Parts Per Million.
L—Also detected Shrimp Meal.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Chas. H. Seward, Raspeburg, Md.	
Golden Glow Laying Mash	Raspeburg
Golden Glow Growing Mash	Raspeburg
Seward's Superior Scratch Grains	Raspeburg
Shanks Mills, Emmitsburg, Md.	
Mixed Grains For Poultry	Emmitsburg
Pure Corn Chop	Emmitsburg
Pure Wheat Bran	Emmitsburg
*Pure Wheat Middlings	Emmitsburg
Sherwin Williams Co., Cleveland, Ohio	
Sherwin Williams Pure Old Process Linseed Meal	Derwood
Howard R. Shockley, Goldsboro, Md.	
Goldsboro Home Mixed Mash	Goldsboro
M. L. Shoemaker Co., Philadelphia, Pa.	
*Shoemaker's "Swift-Sure" Ground Meat & Bone Scrap For Poultry	Elkton
Shoemaker's "Swift-Sure" Ground Meat & Bone Scrap For Poultry	Berlin
Shohola Feed & Grain Co., Shohola, Pa.	
‡New England Broiler Mash	Girdletree
Sinton Brothers & Co., Baltimore, Md.	
Guilford Scratch Feed	Baltimore
The W. J. Small Company, Inc., Neodesha, Kansas	
Small's Fine Ground Dehydrated Alfalfa Leaf Meal	St. Michaels
Small's 17% Fine Ground Dehydrated Alfalfa Meal	Berlin
H. Ray Smith, Doubs, Md.	
"Lo-Cost" Laying Mash	Doubs
"Lo-Cost" Growing Mash	Doubs
"Lo-Cost" Chick Starter	Doubs
"Lo-Cost" Pig Meal	Doubs
Smithville Flour & Feed Mill, Federalsburg, Md.	
Lydens Laying Mash	Federalsburg
Lydens Special Pig & Hog Meal	Federalsburg
Southern States Cooperative Mills, Inc., Baltimore, Md.	
32% Supplemental Dairy Feed	Gaithersburg
24% Dairy	Friendsville
Milk Maker	Lewistown
20% Dairy	Hagerstown
16% Dairy	Westminster
Laying Mash Supplement	Mt. Airy
Laying Mash, with Alfalfa Meal	Gaithersburg
Market Laying Mash	Westminster

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
9.67	20.00	20.18	5.00	4.76	7.00	5.81	9.54	50.04	A.
9.80	16.00	19.39	4.00	4.47	7.00	6.66	9.32	50.36	As declared on label
11.45	10.00	10.32	2.50	3.01	5.00	2.10	1.85	71.27	" "
11.23	9.00	10.17	3.50	3.61	7.00	2.87	2.22	69.90	B.
12.18	10.00	10.00	4.00	3.90	3.00	2.59	1.57	69.76	As declared on label
9.70	15.00	14.57	3.00	3.25	7.00	6.20	6.70	59.58	" "
10.80	16.00	12.99	4.00	4.20	6.00	4.70	3.20	64.11	" "
7.40	34.00	36.33	4.50	6.03	9.00	7.63	6.09	36.52	" " C.
7.80	20.00	20.80	4.50	4.05	8.00	8.02	11.93	47.40	" "
4.22	50.00	48.70	6.00	9.13	3.00	1.95	35.35	.65	" "
4.08	50.00	50.19	6.00	10.82	3.00	1.75	32.60	.56	" "
9.15	18.00	17.99	4.00	4.66	7.00	6.09	7.80	54.31	" "
10.85	9.00	9.50	2.50	3.01	4.00	2.40	1.30	72.94	D.
4.74	20.00	20.62	2.50	3.21	18.00	19.64	12.45	39.34	As declared on lab.E.
4.21	17.00	18.25	1.75	2.85	27.00	25.56	10.75	38.38	As declared on lab.F.
8.84	16.50	17.37	4.50	4.52	7.00	5.52	7.85	55.90	" "
8.90	16.50	18.16	4.00	4.42	7.00	5.76	10.15	52.61	" "
8.88	15.00	18.16	5.00	4.74	5.50	4.57	10.30	53.35	" "
10.79	14.00	15.27	4.00	3.77	7.00	4.53	5.05	60.59	G.
10.03	19.00	19.13	4.00	4.34	6.50	6.55	5.95	54.00	As declared on label
10.66	15.00	15.88	3.50	3.22	6.50	6.54	5.60	58.10	H.
9.68	32.00	33.74	4.00	5.73	10.00	6.83	7.90	36.12	As declared on label
12.37	24.00	26.83	2.50	4.00	12.00	6.06	6.48	44.26	" "
9.71	24.00	25.97	4.00	5.11	10.00	6.38	6.98	45.85	" "
8.91	20.00	22.11	2.50	4.40	12.00	10.59	7.37	46.62	" "
10.40	16.00	18.17	2.50	3.83	12.00	11.38	6.29	49.93	" "
6.47	32.00	33.87	4.00	5.99	7.50	7.11	19.80	26.76	" "
9.70	20.00	20.45	4.00	4.81	7.00	5.97	9.75	49.32	" "
9.02	20.00	20.80	4.00	4.97	7.00	5.71	10.06	49.44	" "

A—Also detected Ground Oats.
B—Also detected Oats.
C—Acid Insoluble Ash 0.53%.
D—Unable to detect Sunflower Seed.
E—Carotene 120 Parts Per Million.
F—Carotene 96 Parts Per Million.
G—Unable to detect Molasses.
H—Also detected Ground Wheat or Wheat Screenings and Buckwheat Hulls.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Southern States Cooperative Mills, Inc., Baltimore, Md. (Cont.)	
Special Laying & Breeding Mash	Bel Air
Super Laying & Breeding Mash	Westminster
Super Laying Mash	Bel Air
Broiler Mash	Salisbury
Chick & Broiler Mash	Bel Air
Flushing Mash	Salisbury
Starting & Growing Mash	Bel Air
Supplement Hog	Gaithersburg
Pig & Hog Feed	Bel Air
Turkey Starting Mash	Cumberland
Soya Processing Co., Wooster, Ohio	
Wooster Brand Soybean Oil Meal	Maugansville
Springfield Roller Mills, Sykesville, Md.	
Hering's Dairy Feed 24%	Sykesville
Hering's Dairy Feed 24%	Sykesville
Hering's Dairy Feed 16%	Sykesville
Hering's Dairy Feed 16%	Sykesville
Hering's Laying Mash	Sykesville
Hering's Growing Mash	Sykesville
Hering's Chick Starter	Sykesville
Hering's Pig Meal	Sykesville
Pure Wheat Bran	Sykesville
Pure Wheat Middlings	Sykesville
Hering's Scratch Feed	Sykesville
A. E. Staley Manufacturing Co., Decatur, Ill.	
Staley's Soybean Oil Meal	Frederick
Staley's Corn Gluten Feed	Washington Grove
W. E. Stanton, Grantsville, Md.	
Stanton's Egg Mash	Grantsville
E. Steen & Brother, Baltimore, Md.	
Lady Maryland Dairy Feed	Baltimore
Milk Producer Dairy Feed	Baltimore
Little Boy Blue Dairy Feed	Baltimore
‡Little Boy Blue Dairy Feed	Bel Air
Spring Garden Egg Mash	Baltimore
Golden Goose Laying Mash, with Buttermilk	Medford
Golden Goose Laying Mash, with Buttermilk	Baltimore
Egg Basket Laying Mash	Baltimore
‡Egg Basket Laying Mash	Medford
Golden Goose Fancy Growing Mash, with Milk, Cod Liver Oil	Baltimore
‡Golden Goose Fancy Growing Mash, with Milk, Cod Liver Oil	Medford
‡Golden Goose Fattener	Medford
Golden Goose Fancy Chick Starter	Baltimore
Golden Goose Fancy Chick Starter	Baltimore
Golden Goose Sweet Feed	Baltimore
‡Golden Goose Sweet Feed	Medford
Golden Goose Scratch Feed	Baltimore

‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.76	19.50	20.45	4.00	4.81	7.00	6.07	8.80	51.11	As declared on label
8.55	19.50	19.74	4.00	4.56	7.00	6.40	9.16	51.59	" "
8.06	19.50	19.74	4.00	5.04	7.00	5.88	7.95	53.33	" "
8.80	18.00	18.78	4.00	4.38	6.50	6.28	8.54	53.22	" "
9.28	17.50	19.13	4.00	4.73	6.50	6.44	5.25	55.17	" "
8.22	18.50	20.18	3.00	4.40	4.50	4.47	7.90	54.83	" "
7.93	17.50	19.48	4.00	5.31	6.50	6.02	8.10	53.16	" "
8.60	40.00	41.93	4.50	5.99	7.00	5.48	10.20	27.80	" "
10.03	14.00	15.18	3.50	4.58	6.00	5.65	6.65	57.91	" "
8.81	24.00	23.97	4.00	5.13	7.00	5.63	10.70	45.76	" "
8.66	41.00	44.14	4.00	4.84	7.00	5.50	6.40	30.46	" "
9.13	24.00	25.42	4.00	4.68	8.50	7.66	9.96	43.15	" "
9.46	24.00	25.30	4.00	3.96	8.50	8.04	7.85	45.39	" "
11.53	16.00	17.40	3.50	4.30	9.50	7.01	7.70	52.06	" "
10.05	16.00	17.95	3.50	4.33	9.50	7.64	7.00	53.03	" "
7.89	20.00	19.94	5.00	4.56	7.00	7.05	8.60	51.96	" "
8.39	18.00	18.28	4.50	4.64	6.00	7.61	7.50	53.58	" "
8.17	17.00	17.37	4.50	4.82	5.50	7.63	5.88	56.13	" "
8.02	18.00	20.81	3.50	3.50	5.00	5.06	9.05	53.56	" "
9.44	13.00	13.69	3.00	3.00	9.00	8.38	6.25	59.24	" "
10.61	12.00	14.04	3.00	4.10	4.00	3.30	3.05	64.90	" "
10.40	9.00	9.50	2.50	2.75	5.00	2.30	1.50	73.55	" "
10.15	41.00	44.05	4.00	4.44	7.00	5.54	6.50	29.32	" "
8.75	25.00	25.36	1.50	3.19	8.00	7.78	8.40	46.52	" "
9.60	19.00	19.13	4.00	4.27	7.00	5.88	10.32	50.80	" " E.
10.31	24.00	24.54	4.00	3.65	9.00	7.93	8.56	45.01	A.
10.80	20.00	21.17	3.50	3.03	12.00	10.81	9.84	44.35	A.
10.60	16.00	18.12	3.50	3.04	13.00	8.66	7.85	51.73	A.
9.56	16.00	19.19	3.50	3.36	13.00	11.14	9.17	47.58	B.
9.14	18.00	19.22	4.00	4.51	10.00	7.42	9.35	50.36	As declared on label
9.27	20.00	21.94	4.00	5.20	9.00	5.83	10.21	47.55	" "
8.97	20.00	21.76	4.00	4.59	9.00	6.06	9.69	48.93	" "
9.55	18.00	19.41	4.00	3.94	10.00	6.32	7.95	52.83	" "
9.32	18.00	18.38	4.00	4.21	10.00	7.83	9.61	50.65	" "
9.56	18.00	20.01	4.00	4.64	8.50	6.89	8.30	50.60	" "
8.17	18.00	19.92	4.00	4.61	8.50	8.07	10.69	48.54	C.
10.15	13.00	12.81	4.50	4.43	6.00	2.57	3.30	66.74	As declared on label
10.62	18.00	18.25	4.00	4.10	6.00	6.52	7.47	53.04	D.
9.35	18.00	17.46	4.00	4.32	6.00	5.30	7.92	55.65	D.
12.31	10.00	9.89	2.00	2.13	15.00	12.95	7.67	55.05	As declared on label
11.05	10.00	11.21	2.00	3.15	15.00	15.85	7.29	51.45	" "
11.85	9.00	10.14	2.00	3.00	5.00	2.02	1.89	71.10	" "

A—Also detected Corn Chaff—unable to detect Peanut Oil Meal, Linseed Oil Meal and Distillers Grains.
B—Unable to detect Linseed Oil Meal and Peanut Oil Meal.
C—Ingredients on label differ from license.
D—Unable to detect Linseed Oil Meal—also detected Soybean Oil Meal.
E—Fibre guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
D. A. Stickell & Sons, Inc., Hagerstown, Md.	
Magnolia Sweet 24% Dairy Feed	Ellicott City
Dairy Queen Sweet 20% Milk Maker	Hampstead
Zip Sweet 16% Dairy Feed	Glyndon
Blue Ridge Egg Mash, with God Liver Oil	Hagerstown
Blue Ridge Egg Mash	Salisbury
Su-Pur Growing Mash, with Cod Liver Oil	Salisbury
Su-Pur Growing Mash, with Cod Liver Oil	Hampstead
Blue Ridge Conditioning Mash	Salisbury
Su-Pur Broiler Mash	Glyndon
Blue Ridge Broiler Mash	Salisbury
Stickell's Poultry Fatner	Hagerstown
Su-Pur Mash Starter	Salisbury
Su-Pur All Mash Starter	Glyndon
Su-Pur 36% Pig & Hog Supplement	Hagerstown
Blue Ridge Pig & Hog Ration	Salisbury
Su-Pur Rabbit Pellets	Hagerstown
The Chas. M. Struven Co., Baltimore, Md.	
Struven's Fish Meal	Elkton
Sunset Feed & Grain Co., Inc., Buffalo, N. Y.	
‡Chenango Dried Whey	Hagerstown
Swift & Co., Newark, N. J.	
Swift's Meat & Bone Scraps	Princess Anne
Swift's Digester Tankage	Frederick
*Swift's Digester Tankage	Frederick
Taneytown Grain & Supply Co., Taneytown, Md.	
Taney Laying Mash	Taneytown
Taney Pig & Hog Feed	Taneytown
Tennant & Hoyt Co., Lake City, Minn.	
‡Golden Leaf Wheat Middlings, with Ground Screenings N. Ex. M. R.	Washington Grove
Texas Rice Milling Co., Galveston, Texas	
Texmill Rice Bran	Baltimore
Thomas & Co., Gaithersburg, Md.	
Thomas Dairy Feed	Gaithersburg
Excelsior Dairy Feed	Gaithersburg
Economy Dairy Feed	Gaithersburg
"Makan-Eg" Egg Mash	Gaithersburg
"Gro-Quick" Growing Mash	Gaithersburg
"Solvita" Starting Mash	Gaithersburg

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
10.75	24.00	23.47	3.50	4.55	12.00	7.98	9.30	43.95	As declared on label
14.92	20.00	22.97	3.50	4.83	10.00	6.22	6.64	44.42	" "
11.22	16.00	16.90	3.00	3.11	12.00	11.14	8.11	49.52	" "
9.33	20.00	21.67	5.00	5.68	6.00	6.38	9.65	47.29	" "
9.05	20.00	22.46	5.00	5.17	6.00	5.98	8.81	48.53	" "
9.42	17.00	18.34	4.00	5.29	6.00	5.60	9.70	51.65	" "
9.60	17.00	17.11	4.00	4.19	6.00	6.02	9.32	53.76	E.
9.41	15.00	17.64	4.00	6.45	5.50	6.79	5.98	53.73	As declared on label
9.09	18.00	18.69	3.50	3.15	6.00	5.50	8.13	55.44	As declared on label
8.95	18.00	18.08	4.00	4.66	5.50	5.73	8.80	53.78	" "
10.79	12.00	14.22	4.50	4.86	6.00	5.18	7.43	57.52	" "
10.36	16.50	18.16	4.00	4.39	5.00	4.88	7.95	54.26	" "
10.17	16.50	18.08	4.00	4.88	5.00	4.95	7.79	54.13	A.
8.86	36.00	36.22	3.50	5.01	10.00	7.32	10.63	31.96	As declared on label
10.73	17.00	18.40	3.00	5.24	6.00	5.83	9.51	50.29	" "
9.52	17.00	19.66	3.00	3.77	8.50	6.18	7.10	53.77	" "
7.42	55.00	58.53	4.00	7.44	2.00	1.18	18.95	6.48	" "
.....	10.50	10.62	.50	X.53	.....	.....	11.97	.....	As declared on label
4.66	50.00	50.11	6.00	10.91	3.00	2.64	30.26	1.42	" "
8.70	60.00	61.86	5.00	8.69	3.00	2.38	16.95	1.42	C.
5.15	60.00	57.48	5.00	11.04	3.00	1.64	23.13	1.56	As declared on label
8.86	18.00	19.39	4.50	4.74	6.75	5.97	9.24	51.80	" "
9.26	18.00	20.63	4.25	4.70	6.75	7.03	6.63	51.75	" "
8.99	16.00	18.43	4.00	5.37	11.00	7.29	4.96	54.96	" "
7.79	13.50	13.69	13.50	15.29	12.00	10.50	8.10	44.63	" "
7.48	24.00	25.54	5.00	4.00	9.00	8.77	6.80	47.41	D.
7.88	24.00	25.27	5.00	4.09	9.00	12.79	7.25	42.72	D.
8.19	20.00	22.11	4.50	4.50	9.00	8.84	6.45	49.91	D.
8.04	20.00	21.59	5.00	5.46	9.00	7.62	9.30	47.99	D.
8.43	18.00	19.66	4.50	5.12	9.00	6.96	8.50	51.33	D.
7.82	18.00	19.66	4.50	5.38	5.00	4.92	10.20	52.02	D.

A—Also detected Corn Gluten Meal.
B—Also detected Crab Meal.
C—Also detected Vegetable Fibrous Material.
X—Fat as determined by the Roese-Gottlieb Method.
E—Also detected Corn Gluten Meal.
D—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Thomas Supply Co., Adamstown, Md.	
Thomas 32%	Adamstown
24% Mormilk	Adamstown
W. B. Thompson & Son, Waynesboro, Pa.	
Thompson Egg Mash	
Thompson Chick Starter & Grower	
Thompson Pig & Hog Meal	
Thurmont Milling & Supply Association, Cooperative, Inc., Thurmont, Md.	
Thurmont 32% Supplement	Thurmont
Thurmont 16% Dairy Feed	Thurmont
Thurmont Laying Mash	Thurmont
Thurmont Growing Mash	Thurmont
Thurmont Hog Meal	Thurmont
Tidewater Grain Co., Philadelphia, Pa. Registered by General Feed Co., Philadelphia, Pa.	
‡Brazilian Bran	Hampstead
Tioga Mills, Inc., Waverly, N. Y.	
Ti-O-Ga 32% Feed	Hurlock
Or-Co Feed	Hurlock
Ti-O-Ga Big Bag	Hurlock
J. T. Towson & Son, Smithsburg, Md.	
Towson's Layer	Hagerstown
Towson's Grower	Hagerstown
Towson's Starter	Hagerstown
Tremaine Alfalfa Ranch & Milling Co., Inc., Mesa, Ariz.	
Arizona Brand Alfalfa Leaf Meal	Frederick
*Tremaine Brand Alfalfa Meal	Hagerstown
Jacob Trinley & Sons, Linfield, Pa.	
‡Favorite Complete Laying Mash	Baltimore
‡Favorite Scratch Grains	Baltimore
Truslow Poultry Farm, Inc., Chestertown, Md.	
Truslow Approved Poultry Mash	Chestertown
Tull Brothers, Seaford, Del.	
Tull's Best Layer & Breeder	
Union Rendering Co., Inc., Baltimore, Md.	
Union Ren Brand Meat Scrap	Baltimore
*Union Ren Brand Meat Scrap	Monrovia
Union Ren Brand Meat Scrap	Baltimore
Union Ren Brand Meat Scrap	Baltimore
Nocako Molasses Concentrate	Monrovia

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.59	32.00	34.57	5.00	4.88	10.00	8.22	8.44	35.30	As declared on lab. B.
9.33	24.00	27.40	5.00	4.81	12.00	9.50	7.26	41.70	" " B.
9.62	17.00	18.95	4.00	4.32	8.00	6.96	6.45	53.70	" "
9.97	19.00	18.78	4.00	4.50	7.00	6.53	7.18	53.04	" "
9.58	15.00	15.18	4.00	4.13	11.50	11.10	7.39	52.62	" "
9.28	32.00	33.70	3.00	4.75	7.00	7.14	7.57	37.56	" "
11.25	16.00	15.28	3.00	2.86	14.00	9.48	8.50	52.63	" "
8.74	20.00	20.53	4.00	4.54	9.00	5.65	8.00	52.54	A.
8.97	16.00	16.41	4.00	4.19	7.00	4.73	7.70	58.00	A.
8.81	16.00	17.55	5.00	4.46	14.00	4.64	7.10	57.44	A.
9.43	13.00	16.32	4.00	4.27	13.00	10.09	5.94	53.95	As declared on label
7.44	32.00	33.15	4.50	5.27	10.00	8.78	11.20	34.16	As declared on label
10.12	18.00	19.74	3.00	4.05	12.00	10.85	10.09	45.15	" "
10.27	12.00	13.85	2.25	2.85	14.50	13.38	8.60	51.05	" "
9.93	19.00	20.36	3.50	5.29	7.00	5.48	8.67	50.27	" "
10.22	17.50	17.81	3.50	4.32	7.00	5.17	7.14	55.34	" "
9.85	20.00	21.24	3.50	4.99	7.00	5.48	8.39	50.05	" "
6.73	20.00	19.48	2.50	2.07	18.00	20.99	12.15	38.58	" " C.
6.15	16.00	14.74	2.00	1.51	25.00	25.76	10.00	41.84	" " D.
9.00	18.00	19.13	4.00	4.58	8.00	7.39	11.64	48.26	" "
10.37	9.00	10.09	2.00	2.82	5.00	2.21	1.93	72.58	" "
9.49	18.00	19.22	3.75	4.59	8.00	6.95	6.68	53.07	" "
9.24	20.00	22.20	5.00	5.92	8.00	4.96	10.23	47.45	" "
6.15	55.00	57.13	5.00	10.75	3.00	2.67	23.01	.29	As declared on label
5.00	50.00	46.16	5.00	12.03	3.00	3.09	30.70	3.02	" "
5.49	50.00	50.81	5.00	11.58	3.00	3.07	28.62	.43	" "
5.31	45.00	45.46	5.00	13.09	3.00	3.41	27.72	5.01	" "
6.54	10.00	12.08	2.00	3.87	8.00	9.24	5.65	62.62	" "

A—Ingredients on label differ from license.
B—Fat guarantee on label differs from license.
C—Carotene 4.5 Parts Per Million.
D—Carotene 4.2 Parts Per Million.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Union Sales Corp., Distributor for Union Starch & Refining Co., Columbus, Ind.	
Union Corn Gluten Feed	Union Bridge
Distributed by Universal Grain Corp., New York, N. Y.	
‡Wheat Bran, with Ground Screenings N. Ex. M. R.	Cambridge
‡Wheat Standard Middlings, with Ground Screenings N.Ex.M.R.	Cambridge
H. A. Vanderhoof Co., Minneapolis, Minn.	
Dried Buttermilk	Baltimore
‡Dried Skim Milk	Owings Mills
‡Dried Skim Milk	Pocomoke City
The Van Iderstine Co., Long Island City, N. Y.	
Vico High Protein Meat & Bone Scraps For Poultry	Detour
Vico Quality Meat & Bone Scraps For Poultry	Taneytown
Vico Quality Meat & Bone Scraps For Poultry	Frederick
Vienna Flour & Feed Mill, Vienna, Md.	
Pure Wheat Bran	Vienna
Pure Wheat Middlings	Vienna
Virginia-Maryland Dairy Feeders Co., Inc., Baltimore, Md.	
‡Brewers Grains Mixed with Molasses	Bel Air
Vitality Mills, Inc., Chicago, Ill.	
Vitality 32% Milk & Body Builder Supplement	Ellicott City
Vitality 32% Milk & Body Builder Supplement	Ellicott City
Vitality Record Maker 24% Dairy Feed	Ellicott City
‡Honey Bee Dairy Feed	Ellicott City
‡Vitality Homestead Egg Mash	Ellicott City
‡Vitality Growing Ration	Ellicott City
‡Vitality Homestead Growing Mash	Baltimore
*‡Vitality Poultry Fattener	Ellicott City
‡Vitality Homestead Starting Mash	Baltimore
Domino Vim-O-Lene Horse Feed	Ellicott City
‡Standard Corn Feed Meal	Ellicott City
Advance Poultry Scratch	Ellicott City
‡Vitality 60/40 Coarse Chick Scratch	Ellicott City
‡Vitality 60/40 Fine Chick Scratch	Ellicott City
Domino All-In-One Rab-ets	Baltimore
Vitality Rabbit Ration, with Pellets	Baltimore
Walsh & Co., Stemmers Run, Md.	
Ken-Wal 24% Dairy Ration	Stemmers Run
Ken-Wal Prize Laying Mash	Stemmers Run
Ken-Wal Prize Growing Mash	Stemmers Run
Ken-Wal Fancy Baby Chick Feed	Stemmers Run
Ken-Wal Prize Broiler Mash	Stemmers Run
Ken-Wal Prize Starter & Grower	Stemmers Run
Ken-Wal Prize Pig & Hog Meal	Stemmers Run

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found				
9.29	25.00	26.59	2.00	2.35	8.50	7.29	9.38	45.10	As declared on label	
8.35	13.00	13.25	4.00	3.81	13.00	9.99	6.33	58.27	"	"
10.06	14.00	14.20	4.00	4.43	9.50	7.43	4.23	59.65	"	"
.....	30.00	29.92	5.00	X7.53	.....	.....	8.45	.....	"	"
.....	32.00	32.47	.50	X1.35	.....	.....	7.97	.....	"	"
.....	32.00	32.12	.50	X1.10	.....	.....	8.10	.....	"	"
8.01	55.00	55.51	3.00	5.97	3.00	2.76	26.90	.85	"	"
7.60	50.00	50.90	3.00	5.05	3.00	2.25	31.45	2.75	"	"
7.27	50.00	54.84	3.00	5.48	3.00	2.89	28.60	.92	"	"
11.09	12.00	14.22	4.00	3.93	7.00	8.27	6.50	55.79	"	"
10.19	11.00	13.13	3.00	4.17	3.00	2.32	2.81	67.38	"	"
11.43	20.00	21.39	5.00	6.17	15.00	14.87	4.34	41.80	"	"
8.94	32.00	32.16	3.50	3.46	10.00	6.06	15.57	33.81	"	"
8.35	32.00	33.01	3.50	3.83	10.00	6.77	15.40	32.64	"	"
9.75	24.00	24.54	3.50	4.05	11.00	9.71	10.77	41.18	"	"
9.78	16.00	18.62	3.00	3.73	12.00	9.69	10.19	47.99	"	"
9.73	18.00	18.43	3.50	4.26	8.00	6.42	8.31	52.85	"	"
9.70	16.00	15.80	4.00	4.00	7.00	5.97	9.24	55.29	"	"
9.19	16.00	16.67	3.50	4.46	8.00	7.27	12.20	50.21	"	"
9.52	12.50	15.45	4.50	3.67	6.00	6.03	6.50	58.83	"	"
9.17	16.00	16.23	3.50	4.28	7.00	7.07	11.60	51.65	"	"
11.88	9.00	10.58	3.00	2.99	10.00	5.86	4.62	64.07	"	"
12.26	8.00	9.04	4.00	3.86	5.00	2.39	1.70	70.75	"	"
10.83	10.00	10.25	2.00	2.50	5.00	3.27	1.60	71.55	"	"
11.62	10.00	10.20	2.00	2.43	4.00	2.04	1.78	71.93	"	"
11.85	10.00	10.46	2.00	2.51	4.00	1.98	1.60	71.60	"	"
8.93	12.00	13.78	3.00	3.21	16.50	14.26	9.09	50.73	"	"
8.73	13.00	13.49	3.00	3.44	15.00	13.62	6.75	53.97	"	"
9.38	24.00	23.57	3.00	4.54	11.00	9.27	6.94	46.30	"	"
9.18	20.00	20.80	4.00	4.55	7.00	5.41	8.40	51.66	"	"
9.25	18.00	20.01	5.00	5.37	7.00	5.68	10.00	49.69	"	"
11.01	10.00	10.20	3.00	3.25	3.00	1.82	1.90	71.82	"	"
9.77	18.00	21.32	4.00	5.05	6.00	4.61	9.71	49.54	"	"
9.12	18.00	18.95	4.00	4.40	5.00	4.84	9.87	52.82	"	"
9.08	18.00	18.08	5.00	4.90	7.00	5.93	9.28	52.73	"	"

X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
R. F. Warner, Lineboro, Md.	
Line Egg Mash	Lineboro
Warner's Starter & Grower	Lineboro
*Ray's Pig & Hog Feed	Lineboro
C. B. Watkins & Co., Baltimore, Md.	
Saratoga Special Yearling Feed	Baltimore
Foxhall Hog Feed	Baltimore
Peerless Scratch Feed	Baltimore
The Weber Flour Mills Co., Salina, Kansas	
‡Tea Table Wheat Bran & Ground Wheat Screenings	Salisbury
Wessel, Duval & Co., Inc., New York, N. Y.	
‡Wheat Bran & Screenings Not Over Mill Run	Baltimore
The Western Star Mill Co., Salina, Kan.	
‡Wheat Bran & Wheat Screenings	Baltimore
Westover Mills, Westover, Md.	
Perfection Laying Mash	Westover
Wilkins Rogers Milling Co., Washington, D. C.	
Grassy Mead 32% Dairy Feed	Bel Air
Grassy Mead 26% Dairy Feed	Bel Air
Big Five Dairy Feed	Annapolis
Big Five Dairy Feed	Baltimore
Maryland University 1928 Contest Egg Mash Formula	Bel Air
Red Raven Egg Mash	Annapolis
Washington Egg Mash	Bel Air
Washington Broiler Mash	Clinton
Washington Baby Chick Starter Mash	Annapolis
Red Raven Horse Feed	Annapolis
Red Raven Horse Feed	Baltimore
Corn Feed Meal	Annapolis
Grassy Mead 21% Hog Feed	Annapolis
Washington Pure Wheat Bran	Hyattsville
Washington Intermediate Scratch	Baltimore
Producer Scratch	Annapolis
Williams Feed Co., Milford, Del.	
Henlopen Laying Mash	
Williams No. 3 Laying Mash, with Buttermilk & Minerals	
Williams No. 2 Chick Grower, with Buttermilk & Minerals	
J. McKenny Willis & Son, Easton, Md.	
32% Dairy Supplement	Easton
18% Laying Mash	Easton
Oscar Wyatt, Greensboro, Md.	
Wyatt's Laying Mash	Greensboro
Wylie Dry Milk-Products Co., Columbus, Ohio	
‡Pure Dried Skimmilk	Pocomoke City

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
9.38	20.00	20.97	4.00	3.92	8.00	5.58	9.31	50.84	As declared on label
5.56	16.00	17.81	4.00	4.61	7.00	5.67	6.85	59.50	" "
11.77	16.00	16.42	4.00	3.25	8.00	5.22	6.16	57.18	" "
10.12	12.00	13.96	4.00	3.78	11.00	7.80	5.40	58.94	" "
8.32	15.25	19.83	2.98	4.52	7.33	8.68	8.15	50.50	" "
10.70	10.00	10.30	3.00	3.20	5.00	3.10	1.40	71.30	" "
8.17	14.50	18.25	3.50	4.30	11.00	9.67	6.50	53.11	" "
8.45	13.00	15.27	4.00	3.89	13.00	9.89	6.65	55.85	" "
10.30	14.50	17.02	3.50	4.12	11.00	9.64	6.10	52.82	" "
8.66	20.00	20.18	4.00	5.60	8.00	6.97	8.46	50.13	A.
7.10	32.00	32.03	5.00	5.52	11.00	8.24	6.15	40.96	As declared on label
7.50	26.00	26.06	5.00	5.00	9.00	8.93	9.45	43.06	" "
7.23	20.00	21.06	5.00	4.81	12.00	8.25	8.50	50.15	" "
6.67	20.00	20.97	5.00	4.77	12.00	8.27	9.28	50.04	" "
8.45	20.00	20.01	5.00	3.91	7.00	6.06	11.40	50.17	" "
8.15	18.00	18.87	4.50	5.09	9.00	6.20	7.80	53.89	" "
8.34	22.00	22.20	5.00	5.40	8.00	4.70	11.55	47.81	" "
7.99	19.00	21.67	4.00	5.45	9.00	4.42	10.85	49.62	" "
8.05	18.00	18.52	4.50	5.49	6.00	4.77	9.15	54.02	" "
7.29	8.00	10.61	3.00	3.31	10.00	8.66	3.74	66.39	" "
10.20	8.00	10.41	3.00	3.73	10.00	7.53	3.05	65.08	" "
10.20	9.00	9.30	4.00	4.45	6.00	3.95	2.26	69.84	" "
7.74	21.00	20.97	5.00	5.02	9.00	7.20	12.20	46.87	" "
10.66	14.00	14.30	4.00	3.88	9.00	9.27	6.34	55.55	" "
11.30	10.00	10.40	2.50	2.60	3.00	1.30	1.23	73.17	" "
11.02	10.00	10.30	2.50	2.65	4.00	2.40	1.60	72.03	B.
7.64	17.00	18.08	4.00	4.52	9.00	9.16	8.24	52.36	As declared on label
7.09	19.00	19.83	5.00	4.84	7.00	7.37	9.87	51.00	" "
8.99	16.00	15.62	4.00	3.60	6.00	6.10	7.55	58.14	" "
9.62	32.00	32.54	3.00	4.46	11.00	10.66	9.55	33.17	C.
8.36	18.00	18.69	4.00	5.54	9.00	6.62	8.74	52.05	As declared on label
8.20	18.52	18.69	4.25	4.64	9.41	9.36	10.91	48.20	" "
.....	32.00	32.29	.50	X1.32	.....	.....	8.12	.....	" "

A—Unable to detect Linseed Oil Meal.
B—Ingredients on label differ from license.
C—No information on label.
X—Fat as determined by the Roese-Gottlieb Method.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Allied Mills, Inc., Chicago, Ill.	
‡Amco Dog Food (Complete)	Bel Air
Wayne Dog Food Krums	Salisbury
American Stores Co., Philadelphia, Pa.	
Playboy Dog Food	Frostburg
Playboy Dog Food	Hyattsville
Anderson Grain & Feed Co., York, Pa.	
Anderson Dog Food	Bel Air
Arcady Farms Milling Co., Chicago, Ill.	
‡Arcady Dog Ration	Ellicott City
Armour & Co., Chicago, Ill.	
Armour's Dog Food	Oakland
‡Armour's Dog Food	Faulkner
Balorations, Inc., Waverly, N. Y.	
Ti-O-Ga Dog Food Meal	La Plata
Ti-O-Ga Dog Food Meal	Baltimore
Baltimore Feed & Grain Co., Baltimore, Md.	
Steako Dog & Puppy Food	Baltimore
Bannock Food Co., Inc., West Chester, Pa.	
Bannock Body Builder	Baltimore
‡Bannock Body Builder	Bel Air
Battle Creek Dog Food, Battle Creek, Mich.	
Miller's Ration	Bel Air
The Beacon Milling Co., Inc., Cayuga, N. Y.	
Beacon Dog Pellets	Ellicott City
Beacon Dog Pellets	Berwyn
Beacon Dog & Puppy Meal	Ellicott City
Binger Brothers, Upper Marlboro, Md.	
Red Star Dog Food	Upper Marlboro
Bowman Brothers, Gaithersburg, Md.	
Gilt Edge Dog Feed	Gaithersburg
Chappel Brothers, Inc., Rockford, Ill.	
Hemo-Ration	Baltimore
Ken-L-Ration	Baltimore
Maro-Meat	Baltimore
Coast Fishing Co., Wilmington, Calif.	
*Puss N Boots Cat Food	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

FEED

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
6.80	26.00	25.97	4.00	4.96	5.00	5.01	10.40	46.86	
8.58	25.00	26.02	4.00	5.20	5.00	5.64	10.92	43.64	
67.74	10.00	12.45	2.00	3.36	1.00	.73	2.06	13.66	
65.31	10.00	13.82	2.00	4.77	1.00	.79	1.80	13.51	
6.92	26.00	28.43	3.50	5.69	5.00	3.29	12.00	43.67	
8.78	23.00	23.43	2.00	4.30	1.00	3.12	11.50	48.87	A.
71.68	12.00	11.98	2.50	3.19	1.25	.69	2.04	10.42	
70.00	12.00	11.87	2.50	2.57	1.25	.85	1.92	12.79	
7.06	23.00	25.80	4.00	5.19	4.00	3.71	11.64	56.60	
6.79	23.00	26.59	4.00	5.26	4.00	3.93	11.62	45.81	
7.81	30.00	29.23	6.00	5.61	6.00	6.06	9.26	42.03	
6.65	24.00	28.43	3.50	5.64	4.50	4.16	13.20	41.92	
6.79	24.00	30.01	3.50	6.18	4.50	4.00	12.50	40.52	
5.61	15.00	16.85	1.00	1.63	3.50	1.49	9.00	65.42	
8.34	24.00	27.73	3.00	5.38	5.00	3.03	9.10	46.42	
8.91	24.00	27.55	3.00	4.95	5.00	2.79	9.28	46.52	B.
7.45	24.00	29.22	3.00	6.40	5.00	4.60	9.22	43.11	
9.08	28.00	28.13	6.00	7.42	4.00	3.35	14.50	37.52	
7.56	25.00	26.85	5.00	4.75	7.00	6.15	12.42	42.27	
72.89	10.00	11.16	2.00	2.75	2.00	1.07	3.93	8.20	
71.27	10.00	11.75	2.00	2.91	1.00	.89	3.34	9.84	
71.89	15.00	15.61	4.00	5.95	1.00	.31	1.88	4.36	C.
67.54	14.00	11.93	6.00	8.95	1.00	.69	3.08	7.81	

A—Protein; Fat and Fibre guarantee and ingredients on label differ from license.
B—Ingredients on label differ from license.
C—Fat guarantee on label differs from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Consolidated Wholesale Grocery Co., Baltimore, Md.	
Queen's Choice Dog Food	Faulkner
The Continental Milling & Feed Co., Ellicott City, Md.	
Polka Dot Hunting Dog Ration	Ellicott City
Cooperative G. L. F. Mills, Inc., Buffalo, N. Y.	
Dog Food	Salisbury
Daily Packing Co., Chicago, Ill.	
Daily Dog Food	Oakland
The Derwood Mill, Derwood, Md.	
Derwood Dog Food	Derwood
Dietrich & Gambrill, Inc., Frederick, Md.	
D. & G. Dog Food (Whole)	Baltimore
D. & G. Dog Food Broken	Easton
*Mighty Good Meal	Baltimore
Mighty Good Meal	Berlin
Dog & Cat Food Products, Inc., New York, N. Y.	
Flag Dog Food	Baltimore
Flag Dog Food	
Doggie Dinner Division of the Loudon Packing Co., Terre Haute, Ind.	
Doggie Dinner Dog & Cat Food	Baltimore
Doyle Packing Co., Inc., of New Jersey, Newark, N. J.	
Strongheart Rations	Baltimore
Strongheart Rations	Hyattsville
East Coast Products Co., Baltimore, Md.	
Silver Boy Dog & Cat Food	Baltimore
Eastern States Farmers' Exchange, Springfield, Mass.	
*Dog Feed	Salisbury
Dog Feed	Snow Hill
John W. Eshelman & Sons, Lancaster, Pa.	
*Eshelman Red Rose Dog & Puppy Food	Salisbury
Federline Brothers, Bethesda, Md.	
*Pepet Dog Food	Hyattsville
The Foster Canning Co., Inc., Glendale, L. I., N. Y.	
"Zoup"	Baltimore
Frederick City Packing Co., Frederick, Md.	
‡Real Friend Brand Dog & Cat Food	Clinton

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
73.69	7.00	9.20	2.00	2.46	1.50	1.22	2.20	11.23	
8.98	32.00	33.17	5.00	5.25	4.00	3.53	13.28	35.79	
7.70	24.00	24.92	4.00	5.44	5.00	2.75	8.20	50.99	
70.48	12.00	13.42	3.00	2.89	1.50	1.56	2.49	9.16	
5.87	25.00	26.94	4.00	5.18	4.00	2.94	14.15	44.92	
7.15	20.00	22.46	2.00	2.51	2.50	2.41	7.97	57.50	
7.18	20.00	24.75	2.50	2.24	2.00	2.66	7.90	55.27	
7.96	18.00	19.46	3.50	3.44	5.00	4.45	8.83	55.86	
6.59	18.00	20.31	3.50	3.68	5.00	4.67	8.14	56.61	
78.06	8.00	7.05	2.00	1.04	1.25	.94	2.24	10.67	A.
75.09	8.00	7.93	2.00	1.65	1.25	.99	1.99	12.35	
68.65	10.00	11.79	2.75	3.20	1.00	1.32	2.74	12.30	
76.77	7.50	8.21	2.00	1.09	1.00	1.10	2.16	10.67	
78.32	7.50	7.80	2.00	.87	1.00	.96	1.94	10.11	A.
76.88	7.25	6.96	1.00	.93	2.00	1.06	2.54	11.63	
7.29	23.50	23.52	4.50	4.93	4.50	4.17	8.95	51.14	
7.73	22.50	28.08	4.00	5.07	3.50	3.50	12.85	42.77	
6.24	23.00	25.18	4.75	3.69	3.50	2.35	12.25	50.29	
62.45	10.00	8.88	9.00	15.27	1.00	.97	3.50	8.93	
86.03	3.75	4.85	.50	.98	.50	.65	1.22	6.27	
70.64	7.25	7.84	1.00	1.34	1.50	.91	2.55	16.72	

A—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Gaines Food Co., Inc., Sherburne, N. Y.	
Gaines Formula 107-A	Baltimore
Gaines Krunchon	Hagerstown
Gaines Dog Meal	Hagerstown
General Seafoods Corporation, Boston, Mass.	
*Jack & Jill Cat Food	Baltimore
Goff Hopkins, Inc., Distributors, Ardmore, Pa.	
*Goff Cubed Beef	Baltimore
*Goff Cubed Lamb	Baltimore
Hales & Hunter Co., Chicago, Ill.	
Lucky Dog Pellets	Annapolis
Lucky Dog Supplement	Annapolis
The Hill Packing Co., Topeka, Kansas	
‡Hill's Dog & Cat Food	Baltimore
Kasco Mills, Inc., Waverly, N. Y.	
Kasco Complete Dog Ration	Baltimore
Kasco Complete Dog Ration	Frederick
The Kennel Food Supply Co., Fairfield, Conn.	
C. F. Meat Biscuits Whole or Broken	Baltimore
Lardan Packing Co., Ozone Park, N. Y.	
*‡"Omar" Dog & Cat Food	Baltimore
Larrowe Milling Co. Div. of General Mills, Inc., Detroit, Mich.	
Larro Dog Food	Oakland
Long Top Hill Co., Glyndon, Md.	
*Show Ring Dog Food	Annapolis
Marco Animal Foods, Inc., Philadelphia, Pa.	
Marco Dog & Cat Food Diet "B"	Baltimore
Marco Dog & Cat Food Diet "C"	Baltimore
Maritime Milling Co., Inc., Buffalo, N. Y.	
Hunt Club Dog Food	Baltimore
Maryland Grocery Co., Baltimore, Md.	
*Snooky Dog Food	Baltimore
Dr. Geo. C. Melody, Greensburg, Pa.	
*‡Melo-Meal	Frostburg
Modern Food Process Co., Philadelphia, Pa.	
Thrivo-Dog & Cat Food	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	Found	Guaranteed	Found	Guaranteed	Found			
.....	29.00	33.08	38.00	38.69	.....	.....	.....	.....	
8.50	23.00	25.80	3.00	4.46	4.00	2.82	13.70	44.72	
5.98	23.00	27.91	3.00	5.40	4.00	3.58	14.25	42.88	
72.76	20.40	19.30	.50	.61	.10	.08	7.52	.....	
73.05	17.00	12.54	5.00	7.56	.09	.37	.42	6.06	
73.89	17.00	14.41	5.00	5.96	.09	.23	.60	4.91	
8.99	24.00	27.12	4.00	5.53	6.00	2.78	7.90	47.68	
7.41	22.00	27.55	4.00	5.82	6.00	2.92	8.65	47.65	
69.50	10.50	10.50	2.00	3.90	1.00	.44	3.90	11.76	
5.67	22.00	25.91	4.00	7.69	4.00	3.65	12.62	44.46	
6.56	22.00	24.30	4.00	4.69	4.00	3.76	10.12	50.57	
7.79	20.00	21.59	2.00	2.09	2.00	1.83	4.70	62.00	A.
75.56	6.55	7.86	1.50	.82	1.00	1.53	1.45	12.78	
6.42	24.50	26.15	5.00	6.14	5.50	5.04	7.07	49.18	
78.94	10.00	9.18	3.00	1.13	1.00	.52	3.41	6.82	
77.58	10.00	9.63	2.00	1.78	1.00	.64	2.37	8.00	
76.64	10.00	9.54	2.00	2.71	1.00	.61	2.25	8.25	
7.94	25.00	24.75	3.50	4.99	4.00	2.57	8.05	51.70	
74.05	7.50	7.52	1.25	.73	1.50	1.12	1.76	14.82	
6.13	32.50	28.52	3.50	6.31	6.50	3.09	11.17	44.78	
68.77	10.00	12.98	3.00	7.37	2.00	1.50	2.54	6.84	

A—Ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
John Morrell & Co., Ottumwa, Iowa	
Red Heart Dog Biscuits	Baltimore
Red Heart Dog Food—Diet A	Hyattsville
Red Heart Dog Food—Diet A	Baltimore
Red Heart Dog Food—Diet B	Baltimore
Red Heart Dog Food—Diet C	Hyattsville
Red Heart Dog Food—Diet C	Baltimore
National Biscuit Co., New York, N. Y.	
Milk-Bone Brand Dog Biscuit	Baltimore
Milk-Bone Brand Tiny-Bits	Baltimore
Junior Milk-Bone Brand Dog & Puppy Biscuit	Baltimore
Pal Dog & Puppy Biscuit Food	Baltimore
National Coast Products Corp., Swedesboro, N. J.	
Lykit Brand Dog & Cat Food	Baltimore
Skipper Brand Dog & Cat Food	Annapolis
Packer Products Co., Philadelphia, Pa.	
‡†Beefy Dog & Cat Food	Riverdale
‡Beefy Dog & Cat Food	Colmar Manor
‡†Paco Dog Food	Baltimore
*Zippy Dog Food	
Peoples Drug Stores, Inc., Washington, D. C.	
Prexo Dog Food	Hyattsville
Port Richmond Packing Co., Philadelphia, Pa.	
Oxram Dog & Cat Food	Baltimore
Ralston Purina Co., St. Louis, Mo.	
Purina Dog Chow Meal	Hyattsville
Rival Packing Co., Chicago, Ill.	
Rival Dog Food	Oakland
Royal Clover Distributing Co., Baltimore, Md. Registered by B. H. Rudo & Bro., Baltimore, Md.	
†Prattdale Dog & Cat Food	Baltimore
††Prattdale Dog & Cat Food	Clinton
Louis Sachs & Sons, Baltimore, Md.	
‡Saxon Brand Dog & Cat Food	Baltimore
The Wm. Schluderberg-T. J. Kurdle Co., Baltimore, Md.	
‡Spark Brand Dog & Cat Food	Chewsville
Silver Klass Dog Food	Baltimore
Distributed by—E. W. Skinner, Jr., Cambridge, Md.	
‡Nifty Dog Food	Hillsboro

† Deficient in both protein and fat.
* Deficient in protein or fat.
‡ Sampled before registration.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients	
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND				
5.06	25.00	25.27	2.00	5.14	2.00	1.66	9.45	53.42		
69.93	10.50	11.72	2.50	3.34	1.00	.82	3.10	11.09		
71.20	10.50	11.13	2.50	2.87	1.00	.92	2.77	11 11		
69.83	10.50	12.24	2.50	3.40	1.00	.82	3.19	10.52		
71.09	10.50	11.77	2.50	2.64	1.00	.73	2.84	10.93		
71.22	10.50	11.59	2.50	3.55	1.00	.88	2.37	10.39		
6.66	20.00	22.11	1.50	2.23	2.50	2.03	7.45	59.52		
6.12	20.00	21.85	1.50	2.29	2.50	2.01	6.75	60.98		
6.25	20.00	24.04	1.50	2.66	2.50	2.19	7.25	57.61		
6.19	17.00	21.24	1.00	1.51	2.50	2.20	6.50	62.36		
74.48	8.00	8.87	2.00	2.59	1.25	1.08	2.45	10.53		
75.56	7.00	7 83	2.00	2.45	1 50	1.11	2.00	11.05		
83.08	8.00	4.35	2.00	.87	1.25	.85	.69	10.16		
84.69	8.00	3.65	2.00	.51	1.25	.71	.45	9.99		
81.32	6.50	5.22	2.00	.73	1.00	.96	.74	11.03		
77.98	6.50	6.28	2.50	1.11	1.00	1.04	.85	12.74		
67.67	12.00	13.72	2.50	2.68	1.25	.96	2.29	12.68		
71.48	20.00	19.17	5.00	5.66	1.00	.46	3.10	.13		
8.05	21.00	22.55	4.00	5.70	6.00	5.78	6.94	50.98		
74.49	10.00	10.28	2.50	3.60	1.00	.62	1.03	9.98		
84.23	8.00	4.44	2.10	.44	1.00	.78	.60	9.51		
84.05	8.00	4.24	2.10	1.21	1.00	.34	.40	9.76		
76.95	7.25	7.24	1.00	.89	1.50	.99	2.54	11.39		
72.95	8.00	9.39	2.00	2.15	1.25	1.23	1.89	12.39	A.	
72.74	10.00	10.36	3.00	4.26	1.00	.54	1.32	10.78		
71.61	8.00	8.02	2.00	2.33	1.00	1.11	3.18	13.75		

A—Protein and Fibre guarantee and ingredients on label differ from license.

MANUFACTURER AND BRAND NAME	SAMPLED FROM
Standard Brands Incorporated, New York, N. Y.	
‡Fleischman's Irradiated Yeast For Dogs	Easton
Sturdy Dog Food Co., Inc., Syracuse, N. Y.	
Sturdy Granular Meal	Chestertown
Sturdy Milk & Meat Kibble	Chestertown
Swift & Co., Chicago, Ill.	
Pard Swift's Dog Food	Hyattsville
The Thorobread Co., Cincinnati, Ohio	
Thorobread Meat Cereal Dog Food (Cooked)	Pocomoke City
Vimpep Foods, Inc., Cambridge, Md.	
On Guard Dog Food	Easton
On Top Dog Food	Friendsville
Petvim Dog Food	Baltimore
Vimpep Dog Food	Hyattsville
Vita-Fresh Dog Food Corp., Long Island City, N. Y.	
‡Vita-Best Dog Meal	Salisbury
*Vita-Best Dog Meal	Baltimore
*Vita-Best Dog Kibbled Biscuits	Baltimore
Warner Dog Food Co., Inc., Brooklyn, N. Y.	
‡Warner's Allbreed	Baltimore
‡Warner's Complete Ration	Baltimore
Wilson & Co., Inc., Chicago, Ill.	
Ideal Dog Food	Baltimore

‡ Sampled before registration.
* Deficient in protein or fat.

Moisture	Protein		Fat		Fibre		Ash	Nitrogen Free Extract	Ingredients
	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND			
8.01	47.00	46.95	1.25	.86	10.00	6.70	9.10	28.38	
6.93	20.00	22.90	2.50	4.29	5.00	2.98	11.20	51.70	
6.11	18.80	18.95	1.05	1.28	1.50	1.82	5.50	66.34	A.
70.25	10.50	11.99	2.50	3.92	1.00	.63	2.25	10.96	
8.06	24.00	23.96	3.00	3.81	5.00	3.25	14.15	46.77	
70.95	7.00	8.76	2.00	2.03	1.00	.88	3.86	13.52	A.
69.29	7.00	9.12	2.00	2.17	1.00	1.20	3.76	14.46	
71.72	7.00	8.56	2.00	2.67	1.00	1.05	2.87	13.13	B.
69.72	7.00	8.84	2.00	2.84	1.00	1.06	3.07	14.47	
6.57	26.67	25.54	4.50	4.19	3.36	2.91	17.90	42.89	
5.92	26.67	24.84	4.50	3.53	3.36	2.39	18.30	45.02	
7.71	24.31	25.10	2.41	1.77	3.61	1.76	9.50	54.16	
5.62	24.00	23.31	1.50	1.92	2.00	2.12	8.40	58.63	
7.15	23.00	22.98	3.00	4.28	2.50	2.40	7.16	56.03	
69.70	10.00	10.63	2.00	4.60	1.00	.56	2.67	11.84	

A—Ingredients on label differ from license.
B—Protein guarantee and ingredients on label differ from license.

MINERAL

MANUFACTURER AND BRAND NAME	SAMPLED FROM
The Atlantic Supply Co., Baltimore, Md.	
Protex High Iodized Mineral, with Manganese	Linwood
Protex High Iodized Mineral, with Manganese	Princess Anne
Bradley & Baker, Baltimore, Md.	
Bocalphos	Blatimore
Bocalphos	Hampstead
Near's Food Co., Inc., Binghamton, N. Y.	
Nears' Dijes-Tone For Cows	Hagerstown
The Sal-Vet Products Co., Cleveland, Ohio	
‡†Sal-Vet Mineral Supplement For Livestock	Medford
Sea Board Supply Co., Inc., Philadelphia, Pa.	
Sea Board Mineral Base	Germantown
General Purpose Minerals	Pocomoke City
General Purpose Minerals	Keymar

† Product deficient in Calcium.
‡ Sampled before registration.

FEED

CALCIUM Ca		PHOSPHORUS P		SALT		
Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	
25.73	**33.28**	6.55	**7.19**	10.00	**7.34**	
25.73	**35.03**	6.55	**6.97**	10.00	**2.39**	
20.00	**24.32**	8.00	**10.00**	.....	.....	
20.00	**24.82**	8.00	**10.57**	.....	.....	
8.50	**11.25**	5.50	**5.80**	13.00	**13.36**	
15.00	**6.78**	60.00	**59.73**	.....	.....	
25.00	**33.25**	7.00	**8.31**	.....	.....	A.
25.00	**31.50**	7.00	**7.51**	8.00	**6.02**	
25.00	**31.82**	7.00	**7.03**	8.00	**5.85**	

A—Phosphorus guarantee on label differs from license.

LIME ANALYSES

Pages immediately following contain results obtained in the examination of agricultural liming materials.

Limes are considered seriously deficient with respect to chemical analysis when they are one per cent low in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
J. E. Baker Co., York, Pa.										
†*Jebco Ground Burnt Lime	Queen Anne	93.00	**88.75**	2.00	**4.78**	95.00	**93.53**	2.75	**4.25**	**.77**
S. W. Barrick & Sons, Inc., Woodsboro, Md.										
Barrick's Agric. Lump Lime	Woodsboro	85.00	**95.30**	2.00	**.82**	87.00	**96.12**	.....	**3.27**	**.67**
†Barrick's Agric. Ground Burned Lime	Woodsboro	75.00	**75.65**	2.00	**5.89**	77.00	**81.54**	3.00	**5.09**	**6.33**
Blair Limestone Co., Martinsburg, W. Va.										
†Shenandoah Special Ground Burned Lime	Mt. Airy	45.00	**48.20**	30.00	**32.30**	75.00	**80.50**	15.00	**8.00**	**4.99**
L. Frank Carbaugh, Hagerstown, Md.										
Lump Lime	Cearfoss	80.00	**80.60**	2.00	**3.11**	82.00	**83.71**	.....	**2.27**	**4.55**
The Cavetown Planing Mill Co., Cavetown, Md.										
Lump Lime	Cavetown	80.00	**87.90**	2.00	**9.85**	82.00	**97.75**	.....	**2.57**	**.43**
†Ground Lime	Cavetown	80.00	**71.00**	2.00	**13.95**	82.00	**84.95**	.....	**7.77**	**4.55**
Chas. F. Forsythe, Hagerstown, Md.										
*Lump Lime	Cearfoss	91.00	**81.80**	3.37	**3.49**	94.37	**85.29**	.....	**6.11**	**4.35**
M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
*Famous Frederick Co. Agric. Lime-Lump	Frederick	86.00	**76.40**	4.00	**8.02**	90.00	**84.42**	.....	**3.13**	**5.45**
†Famous Frederick Co. Ground Lime	Frederick	75.00	**81.30**	5.00	**7.29**	80.00	**88.59**	.....	**4.04**	**3.71**
Keystone Lime Co., Springs, Pa.										
Lump Lime		90.00	**90.30**	1.50	**1.36**	91.50	**91.66**	.....	**4.16**	**1.10**

Legore Lime Co., Legore, Md.										
LeGore's Lump Lime	LeGore	80.00	**94.90**	3.00	**1.55**	83.00	**96.45**	3.00	**4.45**	**.40**
H. E. Millard, Annville, Pa.										
†Millard's Modern Ground Burnt Lime	Millington	92.00	**92.85**	1.20	**1.96**	93.20	**94.81**	3.00	**2.11**	**.81**
Everett V. Moser, Middletown, Md.										
*Lump Lime	Middletown	85.00	**89.80**	10.00	**3.46**	95.00	**93.26**	.....	**4.86**	**1.15**
†*Ground Burned Lime	Middletown	85.00	**79.00**	10.00	**2.36**	95.00	**81.36**	.....	**15.41**	**3.93**
National Gypsum Co., Buffalo, N. Y.										
†Big Yield Agric. Ground Quicklime	Westminster	92.00	**95.55**	2.00	**1.75**	94.00	**97.30**	.....	**2.22**	**.44**
†Big Yield Agric. Ground Quicklime	Denton	92.00	**93.15**	2.00	**1.67**	94.00	**94.82**	.....	**6.54**	**.53**
Edward Savage, Friendsville, Md.										
†*Ground Burned Lime	Friendsville	68.00	**53.90**	2.00	**1.54**	70.00	**55.44**	.....	**20.59**	**15.04**
Stanley Schetrom, Clear Spring, Md.										
Lump Lime	Clear Spring	80.00	**83.50**	4.00	**3.08**	84.00	**86.58**	.....	**5.22**	**.22**
†*Ground Burned Lime	Clear Spring	75.00	**73.30**	3.00	**2.72**	78.00	**76.02**	.....	**9.02**	**6.28**
Shank & Etzler Lime Co., Frederick, Md.										
Agric. Lump Lime	Frederick	60.00	**61.75**	30.00	**37.35**	90.00	**99.10**	.....	**2.61**	**.33**
†Agric. Ground Burnt Lime	Frederick	55.00	**49.65**	25.00	**30.01**	80.00	**79.66**	.....	**6.18**	**11.35**
Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va.										
*Lump Lime		85.00	**78.35**	2.00	**2.82**	87.00	**81.17**	.....	**2.57**	**3.34**
†*Ground Burned Lime		80.00	**75.60**	2.00	**4.92**	82.00	**80.52**	.....	**3.52**	**4.67**
Spencer Lime Co., Accident, Md.										
*Burned Lump Lime	Accident	75.00	**69.20**	2.00	**1.91**	77.00	**71.11**	.....	**5.84**	**6.22**
The Standard Lime & Stone Co., Baltimore, Md.										
†Agric. Ground Lime	Baltimore	91.00	**95.60**	1.00	**1.49**	92.00	**97.09**	.....	**1.97**	**.59**

† Mechanical Analysis of Ground Burnt Lime see Page 134.
* Product deficient in total oxides.

ANALYSES OF AGRICULTURAL BURNT LIME (OXIDES)--Continued

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
Steacy & Wilton Co., Wrightsville, Pa.										
†"Sterling" Brand Ground Burned Lime	Denton	90.00	**91.85**	2.00	**4.72**	92.00	**96.57**	2.00	**1.70**	**.65**
Stoner & Powell, Woodsboro, Md.										
*Old Reliable Fountain Rock Lump Lime	Fountain Rock	85.00	**75.75**	2.00	**6.98**	87.00	**82.73**	.....	**24.38**	**.55**
*†Old Reliable Fountain Rock Ground Lime	Woodsboro	75.00	**51.00**	5.00	**27.99**	80.00	**78.99**	.....	**4.91**	**5.64**
†Old Reliable Fountain Rock Ground Lime	Fountain Rock	75.00	**72.00**	5.00	**10.69**	80.00	**82.69**	.....	**4.11**	**6.01**
Thomasville Stone & Lime Co., Thomasville, Pa.										
†Thomasville Pulverized Quicklime	Westminster	93.00	**93.30**	2.00	**4.10**	95.00	**97.40**	2.75	**2.34**	**.56**
†*Thomasville Pulverized Quicklime	St. Leonards	93.00	**87.20**	2.00	**4.58**	95.00	**91.78**	2.75	**3.50**	**1.21**

† Mechanical Analysis of Ground Burnt Lime see Page 134.
* Product deficient in total oxides.

ANALYSES OF AGRICULTURAL HYDRATED LIME

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
J. E. Baker Co., York, Pa.										
†Susquehanna Hydrated Lime	Queen Anne	70.00	**71.45**	2.00	**3.83**	72.00	**75.28**	2.75		**.71**
S. W. Barrick & Sons, Inc., Woodsboro, Md.										
†Barrick's Hydrated Lime	Woodsboro	65.00	**66.15**	2.00	**5.04**	67.00	**71.19**	3.00		**2.92**
†Barrick's Hydrated Lime	Salisbury	65.00	**63.55**	2.00	**5.22**	67.00	**68.77**	3.00		**4.66**
Blair Limestone Co., Martinsburg, W. Va.										
†Opequon Hydrated Lime	Friendsville	65.00	**67.80**	2.00	**1.93**	67.00	**69.73**	9.00		**2.31**
Chester Valley Lime Co., Paoli, Pa.										
‡†Chester Valley Hydrated Lime	Salisbury	46.50	**48.15**	31.00	**33.49**	77.50	**81.64**			**1.50**
G. & W. H. Corson, Inc., Plymouth Meeting, Pa.										
†Corson's High Magnesium A Superior Hydrate	Salisbury	46.50	**47.75**	31.00	**33.49**	77.50	**81.24**	1.00		**1.50**
†Corson's High Magnesium A Superior Hydrate	Baltimore	46.50	**47.45**	31.00	**33.23**	77.50	**80.68**	1.00		**.57**
M. J. Grove Lime Co., Inc., Lime Kiln, Md.										
†Famous Frederick Co. Hydrated Lime	Lime Kiln	65.00	**67.55**	5.00	**5.50**	70.00	**73.05**			**1.65**
†Famous Frederick Co. Hydrated Lime	Reisterstown	65.00	**60.80**	5.00	**10.29**	70.00	**71.09**			**2.75**
A. H. Hoffman, Inc., Landisville, Pa.										
†Hoffman's Hydrated Lime	Baltimore	70.00	**70.55**	1.00	**1.12**	71.00	**71.67**			**1.27**

† Mechanical Analysis of Hydrated Lime see Page 134.

‡ Sampled before registration.

ANALYSES OF AGRICULTURAL HYDRATED LIME--Continued

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates $CaCO_3$		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
LeGore Lime Co., LeGore, Md.										
†LeGore's Hydrated Lime	LeGore	65.00	**66.85**	5.00	**6.63**	70.00	**73.48**	3.00		**2.14**
†LeGore's Hydrated Lime	Hebron	65.00	**62.90**	5.00	**7.36**	70.00	**70.26**	3.00		**4.73**
Maryland Tobacco Growers Association, Baltimore, Md.										
†Md. Assoc. Brand Agric. Hydrated Lime	Baltimore	46.50	**49.00**	31.00	**33.98**	77.50	**82.98**	2.50		**.30**
H. E. Millard, Annville, Pa.										
†Sweet Arrow Hydrated Lime	Snow Hill	70.00	**71.40**	1.00	**1.38**	71.00	**72.78**	1.50		**1.91**
†Millard's Modern Magnesium Hydrated	Salisbury	52.00	**58.20**	20.00	**19.12**	72.00	**77.32**	1.50		**.92**
National Gypsum Co., Buffalo, N. Y.										
†Gold Bond Hydrated Lime	Salisbury	71.00	**72.25**	2.00	**1.37**	73.00	**73.62**			**.30**
†Gold Bond Spraying & Dusting Hydrated Lime	Denton	72.00	**73.85**	1.00	**1.61**	73.00	**75.46**			**.21**
North American Cement Corp., Baltimore, Md.										
†Berkeley Agric. Hydrated Lime	Glyndon	70.00	**72.15**	2.00	**2.02**	72.00	**74.17**			**.18**
†Berkeley Agric. Hydrated Lime	Boonsboro	70.00	**72.80**	2.00	**1.48**	72.00	**74.28**			**.16**
Powhatan Lime Co., Strasburg Junction, Va.										
†Powhatan Farmers Friend Agric. Hydrated Lime	Frostburg	65.00	**72.30**	1.50	**1.64**	66.50	**73.94**			**.73**
Shank & Etzler Lime Co., Frederick, Md.										
†Agric. Hydrated Lime	Frederick	45.00	**47.25**	20.00	**29.28**	65.00	**76.53**			**2.26**

The Standard Lime & Stone Co., Baltimore, Md.										
†Standard Agric. Hydrated Lime	Frederick	71.00	**72.70**	1.00	**.94**	72.00	**73.64**	2.50		**.75**
†Standard Agric. Hydrated Lime	Jefferson	71.00	**72.85**	1.00	**1.01**	72.00	**73.86**	2.50		**.52**
†Standard Agric. Hydrated Lime	Loch Raven	71.00	**71.80**	1.00	**1.10**	72.00	**72.90**	2.50		**1.17**
Steacy & Wilton Co., Wrightsville, Pa.										
†"Sterling" Brand Hydrated Lime	Denton	69.00	**70.90**	3.00	**4.37**	72.00	**75.27**	1.00		**.41**
†"Sterling" Brand Hydrated Lime	Taneytown	69.00	**70.95**	3.00	**3.37**	72.00	**74.32**	1.00		**.78**
Stoner & Powell, Woodsboro, Md.										
†Old Reliable Fountain Rock Hydrated Lime	Woodsboro	60.00	**62.60**	2.00	**8.18**	62.00	**70.78**			**3.48**
Thomasville Stone & Lime Co., Thomasville, Pa.										
†Thomasville Hydrated Lime	Westminster	70.00	**71.35**	2.00	**2.91**	72.00	**74.26**	2.75		**.87**
†Thomasville Hydrated Lime	Bel Air	70.00	**70.10**	2.00	**4.90**	72.00	**75.00**	2.75		**.33**
Warner Co., Philadelphia, Pa.										
†Warner's "Limoid" (Hydrated Lime)	Elkton	46.50	**47.40**	31.00	**32.83**	77.50	**80.23**	3.00		**1.26**

† Mechanical Analysis of Hydrated Lime see Page 134.

ANALYSES OF AGRICULTURAL LIMESTONE, MARL AND OYSTER SHELLS

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
J. E. Baker Co., York, Pa.								
†Snowflake Pulverized Limestone	Queen Anne	52.00	**49.65**	2.00	**5.62**	54.00	**55.27**	**1.51**
F. & H. Benning Oyster & Lime Co., Galesville, Md.								
†Ground Oyster Shells	Galesville	49.00	**49.40**	.50	**.76**	49.50	**50.16**	**6.73**
W. W. Bowling, Newport, Md.								
†Ground Oyster Shells	Newport	51.00	**51.70**	.50	**.74**	51.50	**52.44**	**1.21**
Herbert Bryant Inc., Alexandria, Va.								
†Pulverized Oyster Shells	Wash. Grove	45.00	**49.20**	.50	**.99**	45.50	**50.19**	**7.22**
L. H. Burton, Texas, Md.								
†Dolomite	Texas	27.00	**29.80**	18.00	**21.10**	45.00	**50.90**	**1.44**
Harry T. Campbell Sons' Co., Towson, Md.								
†Campbell's Pulverized Limestone	Texas	30.00	**30.05**	14.00	**19.02**	44.00	**49.07**	**9.42**
†Campbell's H. T. C. Special	Texas	54.00	**54.25**	1.00	**.78**	55.00	**55.03**	**1.85**
Chester Valley Lime Co., Paoli, Pa.								
†Chester Valley Pulverized Limestone	Easton	29.00	**29.30**	19.00	**18.92**	48.00	**48.22**	**16.71**
G. & W. H. Corson, Inc., Plymouth Meeting, Pa.								
†Corson's Air Floated Dolomitic Pulverized Limestone	Denton	29.14	**30.75**	20.08	**22.06**	49.22	**52.81**	**2.40**
Farmers Cooperative Association, Inc., Frederick, Md.								
*†Pulverized Limestone	Frederick	49.40	**48.85**	2.86	**3.93**	52.26	**52.78**	**5.68**

M. J. Grove Lime Co., Inc., Lime Kiln, Md.								
†Pulverized Limestone	Frederick	53.00	54.80	1.00	.81	54.00	55.61	1.29
H. E. Millard, Annville, Pa.								
†Airfloated Pulverized Limestone	Easton	53.50	53.95	.50	.99	54.00	54.94	1.80
National Gypsum Co., Buffalo, N. Y.								
†Challenge Brand Agric. Pulverized Limestone	Cambridge	52.00	48.40	2.00	7.37	54.00	55.77	.78
†Challenge Brand Agric. Pulverized Limestone	Union Bridge	52.00	51.65	2.00	4.12	54.00	55.77	.66
Potomac Poultry Food Co., Inc., Baltimore, Md.								
†Potolime Made for the Soil from Baked Oyster Shells	Crisfield	48.00	47.85	.50	.69	48.50	48.54	11.36
Spencer Lime Co., Accident, Md.								
†Raw Pulverized Lime	Accident	40.00	43.30	1.00	1.01	41.00	44.31	20.26
The Standard Lime & Stone Co., Baltimore, Md.								
†Standard Pulverized Limestone	Silver Spring	53.20	54.20	.50	1.02	53.70	55.22	.92
†Washington Magnesium Pulverized Limestone	Baltimore	30.00	30.95	20.00	21.93	50.00	52.88	1.04
Steacy & Wilton Co., Wrightsville, Pa.								
†Pulverized Limestone	Denton	52.00	54.25	2.00	1.04	54.00	55.29	.41
Thomasville Stone & Lime Co., Thomasville, Pa.								
†Thomasville Pulverized Limestone	Denton	53.20	54.15	1.90	1.01	55.10	55.16	.62
Warner Co., Philadelphia, Pa.								
†Warner Pulverized Limestone	Snow Hill	30.00	30.85	20.00	21.79	50.00	52.64	1.61

† Mechanical Analysis on Ground Limestone and Oyster Shells see Page 134.
* Guarantee on bag differs from license.

ANALYSES OF GYPSUM OR LAND PLASTER

Manufacturer and Brand	Place Sampled	Calcium Sulphate		Sand & Insol.	
		Guaranteed	FOUND	Guaranteed	FOUND
The American Agricultural Chemical Co., Baltimore, Md.					
*AA Fine Ground Nova Scotia Land Plaster	Baltimore	77.70	**72.90**		**2.88**
The Baugh & Sons Co., Baltimore, Md.					
Pure Ground Land Plaster		62.00	**79.25**		**0.70**

* Product deficient in Calcium Sulphate.

MISCELLANEOUS LIMING PRODUCTS

Manufacturer and Brand	Place Sampled	Calcium Oxide CaO		Magnesium Oxide MgO		Total Oxides CaO+MgO		Carbonates CaCO3		Sand & Insol.
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND	FOUND
The Arundel Corp., Baltimore, Md.										
†Agricultural Slag	Baltimore	36.80	**33.50**	11.05	**12.41**	47.85	**45.91**			**33.81**
J. P. Comegys, Middletown, Del.										
"Lime Product"		40.50	**40.50**	.96	**.96**	41.46	**41.46**			**3.40**
Keystone Lime Co., Springs, Pa.										
*Alfalfa Brand Lime		70.00	**62.10**	3.00	**2.90**	73.00	**65.00**			**9.05**
North American Cement Corp., Baltimore, Md.										
Security Refuse Lime	Security	36.00	**44.25**	2.25	**2.56**	38.25	**46.81**		**6.46**	**11.55**
*Security Potash Lime	Security	41.00	**37.20**	2.00	**1.19**	43.00	**38.39**	*5.00	*5.36	**17.69**
The Shore Lime Co,, Crumpton, Md.										
Agricultural Lime	Crumpton	34.00	**55.25**		**.43**		55.68			

† Mechanical Analysis see Page 134. *Potash.
* Product deficient in total oxides.

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME

Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
The Arundel Corp., Baltimore, Md.							
Agricultural Slag	Baltimore	91.69	**94.**	45.10	**56.**	28.92	**39.**
J. E. Baker Co., York, Pa.							
Snowflake Pulverized Limestone	Queen Anne	100.	**100.**	100.	**100.**	99.	**100.**
Jebco Ground Burnt Lime	Queen Anne	90.	**100.**	60.	**75.**	50.	**65.**
Susquehanna Hydrated Lime	Queen Anne	100.	**100.**	100.	**100.**	99.	**99.**
S. W. Barrick & Sons, Inc., Woodsboro, Md.							
Barrick's Agric. Ground Burned Lime	Woodsboro	95.	**64.**	70.	**48.**	60.	**42.**
Barrick's Hydrated Lime	Woodsboro	100.	**99.**	90.	**92.**	86.	**87.**
Barrick's Hydrated Lime	Salisbury	100.	**99.**	90.	**91.**	86.	**89.**
F. & H. Benning Oyster & Lime Co., Galesville, Md.							
Ground Oyster Shells	Galesville	93.	**53.**	58.	**28.**	44.	**19.**
Blair Limestone Co., Martinsburg, W. Va.							
Shenandoah Special Ground Burned Lime	Mt. Airy	100.	**97.**	80.	**77.**	60.	**64.**
Opequon Hydrated Lime	Friendsville	100.	**100.**	99.50	**100.**	99.	**100.**
W. W. Bowling, Newport, Md.							
Ground Oyster Shells	Newport	71.	**84.**	38.	**51.**	28.	**38.**
Herbert Bryant Inc., Alexandria, Va.							
Pulverized Oyster Shells	Wash. Grove	90.	**85.**	68.	**39.**	34.	**26.**
L. H. Burton, Texas, Md.							
Dolomite	Texas	87.	**69.**	12.	**7.**	5.	**3.**

L. H. Burton, Texas, Md.							
Dolomite	Texas	87.	69.	12.	7.	5.	3.
Harry T. Campbell Sons' Co., Towson, Md.							
*Campbell's Pulverized Limestone	Texas	100.	100.	79.	97.	80.	85.
Campbell's H. T. C. Special	Texas	100.	100.	95.	98.	75.	84.
The Cavetown Planing Mill Co., Cavetown, Md.							
Ground Lime	Cavetown	56.	57.	42.	40.	39.	34.
Chester Valley Lime Co., Paoli, Pa.							
Chester Valley Hydrated Lime	Salisbury	100.	100.	100.	99.	100.	98.
Chester Valley Pulverized Limestone	Easton	100.	89.	95.	66.	91.	59.
G. & W. H. Corson, Inc., Plymough Meeting, Pa.							
Corson's High Magnesium—A Superior Hydrate	Salisbury	99.	100.	97.	99.	95.	98.
Corson's High Magnesium A Superior Hydrate	Baltimore	99.	100.	97.	100.	95.	100.
Corson's Air Floated Dolomitic Pulverized Limestone	Denton	99.	100.	97.	100.	96.	100.
Farmers Cooperative Association, Inc., Frederick, Md.							
Pulverized Limestone	Frederick	99.	100.	75.	76.	66.	66.
M. J. Grove Lime Co., Inc., Lime Kiln, Md.							
Famous Frederick Co. Ground Lime	Frederick	50.	62.	35.	40.	25.	34.
Famous Frederick Co. Hydrated Lime	Lime Kiln	100.	100.	99.	99.	90.	96.
Famous Frederick Co. Hydrated Lime	Reisterstown	100.	100.	99.	97.	90.	92.
Pulverized Limestone	Frederick	100.	100.	98.	93.	94.	81.
A. H. Hoffman, Inc., Landisville, Pa.							
Hoffman's Hydrated Lime	Baltimore	100.	100.	99.25	100.	99.	99.
Legore Lime Co., Legore, Md.							
LeGore's Hydrated Lime	LeGore	100.	100.	98.	98.	97.	96.
LeGore Hydrated Lime	Hebron	100.	100.	98.	99.	97.	98.
Maryland Tobacco Growers Association, Baltimore, Md.							
Md. Assoc. Brand Agric. Hydrated Lime	Baltimore	99.90	100.	98.	100.	95.	99.
H. E. Millard, Annville, Pa.							
Millard's Modern Ground Burnt Lime	Millington	94.	84.	.....	61.	64.	52.
Sweet Arrow Hydrated Lime	Snow Hill	100.	100.	99.25	100.	99.	99.
Millard's Modern Magnesium Hydrated	Salisbury	100.	100.	99.50	100.	99.	99.
Airfloated Pulverized Limestone	Easton	100.	100.	97.	96.	95.	92.

* Guarantee on bag differs from license.

MECHANICAL ANALYSIS OF GROUND LIMESTONE, GROUND OYSTER SHELLS, GROUND BURNT LIME AND HYDRATED LIME--(Continued)

Manufacturer and Brand	Place Sampled	Finer than 20 Mesh		Finer than 60 Mesh		Finer than 100 Mesh	
		Guaranteed	FOUND	Guaranteed	FOUND	Guaranteed	FOUND
Everett V. Moser, Middletown, Md.							
Ground Burned Lime	Middletown	78.	**76.**	57.	**52.**	49.	**45.**
National Gypsum Co., Buffalo, N. Y.							
Big Yield Agric. Ground Quicklime	Westminster	98.	**94.**	75.	**80.**	40.	**50.**
Big Yield Agric. Ground Quicklime	Denton	98.	**94.**	75.	**80.**	40.	**47.**
Gold Bond Hydrated Lime	Salisbury	100.	**100.**	98.	**100.**	97.	**100.**
Gold Bond Spraying & Dusting Hydrated Lime	Denton	100.	**100.**	100.	**100.**	100.	**100.**
Challenge Brand Agric. Pulverized Limestone	Cambridge	100.	**100.**	100.	**100.**	99.	**99.**
Challenge Brand Agric. Pulverized Limestone	Union Bridge	100.	**100.**	100.	**100.**	99.	**99.**
North American Cement Corp., Baltimore, Md.							
Berkeley Agric. Hydrated Lime	Glyndon	100.	**100.**	99.	**100.**	98.90	**100.**
Berkeley Agric. Hydrated Lime	Boonsboro	100.	**100.**	99.	**100.**	98.90	**100.**
Potomac Poultry Food Co., Inc., Baltimore, Md.							
Potolime made for the Soil from Baked Oyster Shells	Crisfield	96.	**98.**	52.	**51.**	44.	**32.**
Powhatan Lime Co., Strasburg Junction, Va.							
Powhatan Farmers Friend Agric. Hydrated Lime	Frostburg	100.	**99.**	99.	**97.**	98.	**94.**
Edward Savage, Friendsville, Md.							
**Ground Burned Lime	Friendsville	.....	**67.**	.....	**49.**	.....	**40.**
Stanley Schetrom, Clear Spring, Md.							
**Ground Burned Lime	Clear Spring	.....	**45.**	.....	**34.**	.....	**32.**

Shank & Etzler Lime Co., Frederick, Md.							
Agric. Ground Burnt Lime	Frederick	40.	**72.**	30.	**45.**	20.	**35.**
Agric. Hydrated Lime	Frederick	80.	**96.**	60.	**80.**	55.	**72.**
Shinham Lime & Fertilizer Co., Harper's Ferry, W. Va.							
**Ground Burned Lime			**89.**		**68.**		**59.**
Spencer Lime Co., Accident, Md.							
Raw Pulverized Lime	Accident	90.	**86.**	50.	**56.**	40.	**46.**
The Standard Lime & Stone Co., Baltimore, Md.							
Agric. Ground Lime	Baltimore	100.	**100.**	99.90	**100.**	99.75	**98.**
Standard Agric. Hydrated Lime	Frederick	100.	**100.**	99.50	**100.**	95.	**100.**
Standard Agric. Hydrated Lime	Jefferson	100.	**100.**	99.50	**100.**	95.	**100.**
Standard Agric. Hydrated Lime	Loch Raven	100.	**100.**	99.50	**100.**	95.	**99.**
Standard Pulverized Limestone	Silver Spring	100.	**100.**	99.90	**100.**	99.75	**99.**
Washington Magnesium Pulverized Limestone	Baltimore	100.	**100.**	95.	**100.**	90.	**98.**
Steacy & Wilton Co., Wrightsville, Pa.							
"Sterling" Brand Ground Burned Lime	Denton	71.	**71.**	46.	**49.**	39.	**40.**
"Sterling" Brand Hydrated Lime	Denton	100.	**100.**	99.25	**100.**	99.	**99.**
"Sterling" Brand Hydrated Lime	Taneytown	100.	**100.**	99.25	**100.**	99.	**98.**
Pulverized Limestone	Denton	100.	**100.**	100.	**100.**	100.	**99.**
Stoner & Powell, Woodsboro, Md.							
Old Reliable Fountain Rock Ground Lime	Woodsboro	80.	**100.**	60.	**89.**	40.	**76.**
Old Reliable Fountain Rock Ground Lime	Fountain Rock	80.	**87.**	60.	**65.**	40.	**57.**
Old Reliable Fountain Rock Hydrated Lime	Woodsboro	97.	**98.**	89.	**90.**	82.	**85.**
Thomasville Stone & Lime Co., Thomasville, Pa.							
Thomasville Pulverized Quicklime	Westminster	90.	**86.**	66.	**56.**	50.	**46.**
Thomasville Pulverized Quicklime	St. Leonards	90.	**93.**	66.	**71.**	50.	**62.**
Thomasville Hydrated Lime	Westminster	100.	**100.**	95.	**99.**	97.	**98.**
Thomasville Hydrated Lime	Bel Air	100.	**100.**	95.	**100.**	97.	**99.**
Thomasville Pulverized Limestone	Denton	100.	**100.**	99.50	**100.**	99.	**100.**
Warner Co., Philadelphia, Pa.							
Warner "Limoid" (Hydrated Lime)	Elkton	100.	**100.**	97.	**99.**	95.	**97.**
Warner Pulverized Limestone	Snow Hill	100.	**100.**	100.	**100.**	99.50	**100.**

** No guarantee on bag.